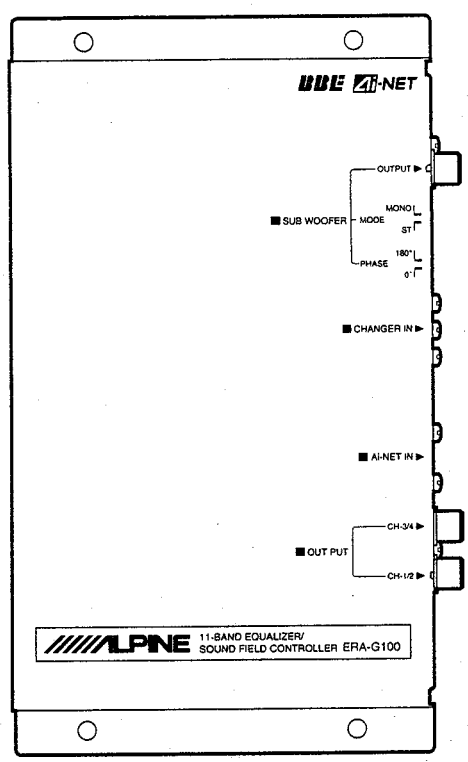
ALPINE®

SERVICE MANUAL

11-Band Equalizer / Sound Field Controller



Ai-NET

サービス費用区分	C
技 術 資 料 No.	PC-43-O

ERA-G100

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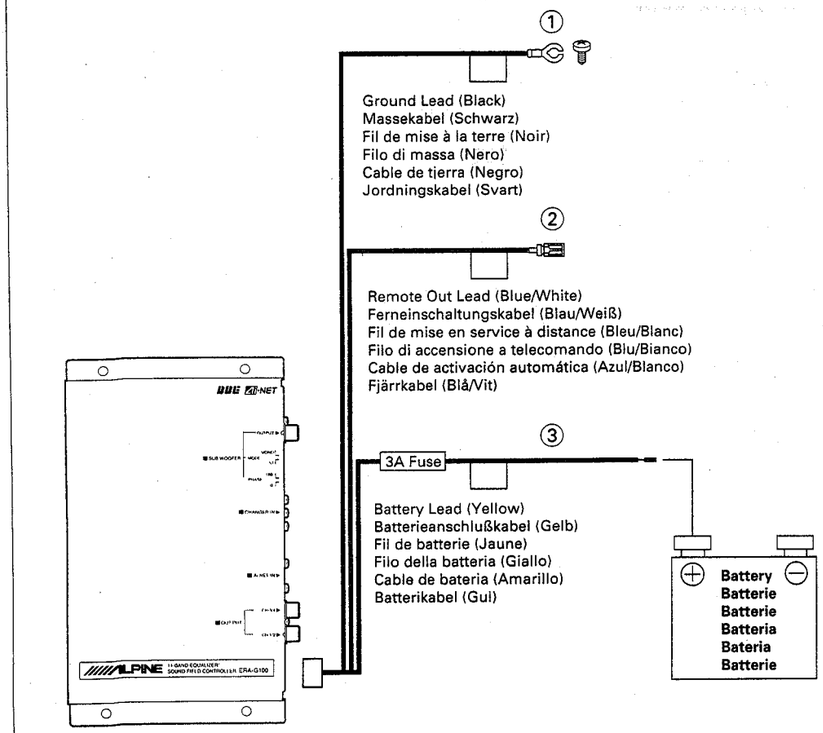
Additional Schematic Diagram inserted.

Specifications

Power Supply	DC14.4V (allowable 11 to 16V)
Total Harmonic Distortion (Input 850mV)	Front & Rear : 0.4%
	Subwoofer : 1%
Input Sensitivity	0.85V±2dB
Input Impedance	10kohm
Output Impedance	1kohm
S / N Ratio (IHF-A)	85dB
Frequency Response	30Hz~15kHz
Channel Separation (Input Shorted)	50dB
Current Drain (No Signal)	1A
Equalizer Band	31.5Hz, 63Hz, 125Hz, 190Hz, 250Hz, 500Hz, 1kHz, 2.2kHz, 4.5lHz, 9kHz, 18kHz
Equalizer Level	Boost : 12dB±3dB
	Cut : -12dB±3dB
Fader Control Effect	40dB
Subwoofer Control Effect (30Hz)	0~16+2dB
Subwoofer Cut OFF Frequency (Input 850mV)	80Hz±25Hz
Semiconductors	60 IC's, 34 Transistors, 32 Diodes, 11 Zener Diodes
Dimensions (W×H×D)	178×52×115.8mm
Weight	885g

Note : Due to continuing product improvement, specifications and designs are subject to change without notice.

CONNECTIONS



① **Ground Lead (Black)**
Connect this lead to a good chassis ground on the vehicle.

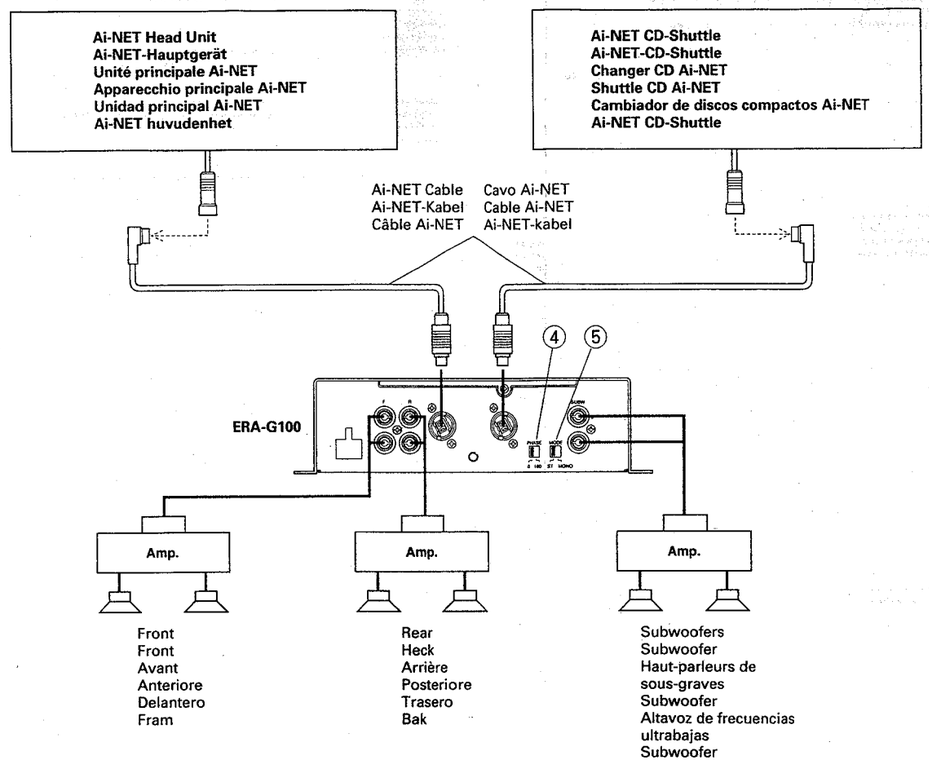
② **Remote Out Lead (Blue/White)**
Connect this lead to the Remote-On Lead of your amplifier.
Do not connect to the Remote-On Lead of the Head Unit.

③ **Battery Lead (Yellow)**
Connect this lead to the positive (+) post of the vehicle's battery.
You may need an extended lead to connect of the Battery.

④ **Phase Switch**
This switches the phase of the subwoofer output (between 0 and 180 degrees). This is factory preset at the 0 degrees.

⑤ **ST/MONO Switch**
When this switch is set at the MONO position, only the subwoofer output becomes monaural.
This is factory preset at the ST(stereo) position.

BASIC SYSTEM



BASIC OPERATION

English

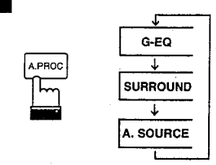
Before Starting Operation

All of the following operations and adjustments assumed that the ERA-G100 Equalizer is Ai-NET connected to an Alpine Head unit as described on the Guide for Installation and Connections for the ERA-G100, and that the Alpine Remote Controller (such as 1101) is used. When the ERA-G100 is Ai-NET connected to a Head unit, the tone controls (Treble/Bass/Loudness/A.S.C.) of the Head unit will be automatically bypassed.

BASIC OPERATION

English

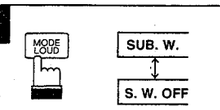
1 Switching the Subwoofer On or Off



Press the A. PROC (Audio Processor) button on the Head unit or Remote Controller repeatedly until your desired mode (G-EQ or SURROUND) of the ERA-G100 appears on the Head unit's display. Each pressing changes the mode;

G-EQ (Graphic Equalizer) → SURROUND → A. SOURCE → G-EQ.

2



Press the MODE button on the Head unit for at least 2 seconds to turn the subwoofer on or off.

Note:
When the ERA-G100 is connected to the Alpine Head unit, the tone control circuit inside the Head unit will be automatically bypassed. Therefore, the A.S.C., loudness, treble and bass controls on the Head unit do not function.

ADJUSTMENT/OPERATION

English

1 Selecting the Audio Adjustment Mode

Subwoofer on mode
Mode subwoofer en service
Modo de subgraves activado

MODE LOUD → BALANCE → FADER → SUB. W. → VOLUME

Subwoofer off mode
Mode subwoofer hors service
Modo de subgraves desactivado

BALANCE → FADER → VOLUME

Press the MODE button on the Head unit repeatedly until your desired adjustment mode appears on the display.

- In the subwoofer **on** mode, the display changes;
  VOLUME → BALANCE → FADER → SUB. W. (Subwoofer) → VOLUME
- In the subwoofer **off** mode, the display changes;
  VOLUME → BALANCE → FADER → VOLUME

When the ERA-G100 is connected to the Head unit, the display on the Head unit will not show "TREBLE" and "BASS."

1 Adjusting the Subwoofer Level

MODE LOUD → SUB. W.

Press the MODE button on the Head unit repeatedly to select the Subwoofer adjustment mode. The display shows "SUB. W." for 5 seconds.

2

TDA-7638R

Other Head Units
Antres appareils principaux
Otras unidades principales

or / ou / o

Rotate or press the level control(s) on the Head unit while the SUB. W. indicator is displayed to increase or decrease the level until the desired sound level is obtained. The display shows the level from 0 to 15 dB (max.).

DSP Surround Presets

The ERA-G100 employs the DSP (Digital Signal Processing) to duplicate mathematically various listening environments. Six typical surround settings are provided for a variety of musical source material as follows.

Preset No. 1 (NORMAL) Flat

Surround mode OFF.

Preset No. 2 (HALL)

Duplicates the acoustics of a large concert hall with limited reflections.

Reverberation Level: –2 dB
Reverberation Time: 90 mS

Preset No. 3 (STADIUM)

Duplicates the acoustics of a large outdoor stadium.

Reverberation Level: –6 dB
Reverberation Time: 231 mS

Preset No. 4 (CHURCH)

Duplicates the acoustics of a large cathedral with high ceilings and many reflections.

Reverberation Level: –6 dB
Reverberation Time: 1500 mS

ADJUSTMENT/OPERATION

English

Preset No. 5 (DANCE)

Duplicates the acoustics of a dancing hall with moderate reflections.

Reverberation Level: 0 dB
Reverberation Time: 203 mS

Preset No. 6 (LIVE)

Duplicates the acoustics of a small, intimate concert hall with few reflections.

Reverberation Level: –2 dB
Reverberation Time: 29 mS

1 Selecting the Maker's DSP Surround Presets

A.PROC → SURROUND

Press the A. PROC button on the Head unit or Remote Controller until "SURROUND" appears on the display.

2

1 2 3 / 4 5 6 / or / ou / o

PRESET-2 → ⊿2 HALL

Press the Preset button (1 through 6) on the Head unit that has your desired surround mode, or press the ▲ or ▼ button on the Remote Controller until your desired surround mode is displayed.
The display shows the preset number with a triangle and the name of the mode, NORMAL, HALL, STADIUM, CHURCH, DANCE, or LIVE.

1 Presetting the Private Equalizations for Tuner and Tape

M/P → G-EQ. G-EQ → G-EQ. PRIVATE

Press the M/P button on the Head unit in the G-EQ mode to select the Private Equalization mode.
The display shows "PRIVATE" when the Private Equalization mode is selected.

2

ENT → ±0 2.2 kHz

Press the ENT button on the Remote Controller to activate the frequency adjustment mode.
The display shows the frequency and level for 5 seconds.

3

◀◀ ENT ▶▶ → ±0 4.5 kHz

Press the DN (◀◀) or UP (▶▶) button on the Remote Controller while the frequency indicator is illuminating to select the desired band (frequency) within 5 seconds after selecting the adjustment mode.
The frequency display changes in the range from 31.5 Hz to 18 kHz.

Note: If you press the ◀◀ or ▶▶ button for more than 2 seconds, the frequency changes quickly.

4

ENT → +3 4.5 kHz

Press the ▲ or ▼ button on the Remote Controller to increase or decrease the level of the frequency selected within 5 seconds after selecting the adjustment mode.
The level display changes up to + 6 or –6 in 1 steps.

ADJUSTMENT/OPERATION

English

1 Selecting the Maker's Equalization Presets

M/P → P G-EQ. PRIVATE → M G-EQ. MAKERS

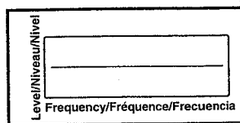
Press the M/P (Maker's/Private) button on the Head unit in the G-EQ mode to select the Maker's Equalization mode.
The display shows "MAKERS" when the Maker's Equalization is selected.

2

1 2 3 / 4 5 6 / or / ou / o

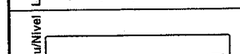
PRESET-6 → ⊿6 JAZZ

Press the Preset buttons (1 through 6) on the Head unit or ▲/▼ buttons on the Remote Controller to select your desired equalizations preset in memory at the factory. You can select 6 different equalizations, FLAT, MALE, FEMALE, NEWS, ROCK and JAZZ.



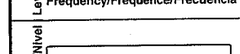
Preset No. 1 — **FLAT**

Flat frequency response.



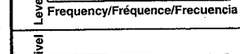
Preset No. 2 — **MALE (MALE VOCAL)**

Boosting the high frequency range slightly.



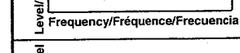
Preset No. 3 — **FEMALE (FEMALE VOCAL)**

Cutting the high frequency range slightly.



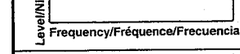
Preset No. 4 — **NEWS**

Boosting the mid-frequency range only.



Preset No. 5 — **ROCK**

Boosting the low and high frequency ranges.



Preset No. 6 — **JAZZ**

Cutting the high frequency range, and boosting the low frequency range.

Note: The Head unit does not display these frequency response curves.

ADJUSTMENT/OPERATION

English

5

1 2 3 / 4 5 6 → +3 4.5 kHz

Press any one of the preset buttons (1 through 6) on the Head unit for at least 2 seconds to activate the memory mode until the triangle blinks in the display for 5 seconds.

6

1 2 3 / 4 5 6 → +3 ⊿2 4.5 kHz

Press the preset button into which you wish to store the surround/equalization while the display is blinking.

Note: When the surround mode is selected and then the equalization is memorized, the surround being selected will be memorized together.

The display changes from blinking to steady lighting indicating that the equalization has been stored in memory. The display shows the preset number and a triangle.

Repeat Steps 3 through 6 above to store other equalizations. You can store up to 6 private equalizations.

Note: You can preset your desired equalization/surround for each disc loaded into the CD shuttle (see next procedure).

1 Presetting the Private Equalization/(Surround) for Each Disc (CD)

Adjust the equalization/surround to your desired sound by following Steps 1 through 4 of Presetting the Private Equalization section.

2

A.PROC → A. SOURCE

Press the A. PROC button on the Head unit or Remote Controller repeatedly until the display shows "A. SOURCE."

3

1 2 3 / 4 5 6 → ⊿2

Press and hold down the Preset location button (on the Head unit) corresponding to the current disc being selected for at least 2 seconds to activate the memory mode.
The triangle on the display will blink for 5 seconds.

4

1 2 3 / 4 5 6 → ⊿2

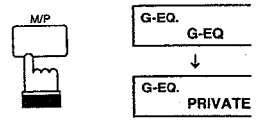
Press the same Preset location button again while the triangle is blinking to memorize the equalization/surround for the disc being selected.
The triangle changes from blinking to steady illumination indicating the equalization/surround have been stored in memory.

Note: You can preset the private ezualization/(surround) for up to 18 discs. If you attempt to preset for 19th disc, the display blinks "full DATA." If you proceed to memorize for 19th disc after this indication, the unit erase the preset equalization/(surround) of the first preset disc and memorizes for 19th disc.

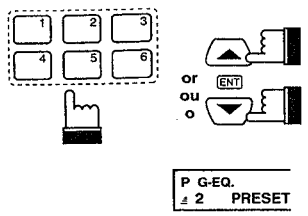
ADJUSTMENT/OPERATION

English

Recalling the Private Equalizations

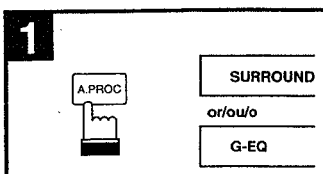


Press the M/P button on the Head unit in the G-EQ mode to activate the Private Equalization mode.
The display shows "PRIVATE" for a few seconds when the Private Equalization mode is activated.

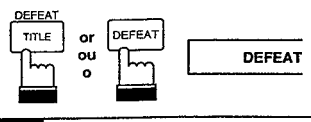


Press the preset button that has your desired private equalization in memory, or the ▲ or ▼ button on the Remote Controller repeatedly to select your desired private equalization.
The display shows the preset number (with a triangle).

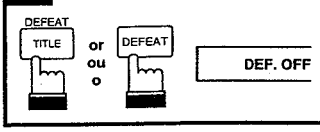
Defeating the Surround and Equalization Functions



Press the A. PROC button on the Head unit or Remote Controller to select the surround or equalizer mode you wish to defeat (bypass).

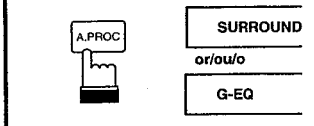


Press the DEFEAT button on the Head unit or on the Remote Controller during the Surround or Equalizer mode to defeat (bypass) the surround and equalization functions.
The display shows "DEFEAT."



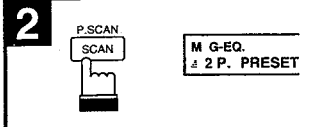
Press the DEFEAT button again to return to the surround/equalizer mode.
The display shows "DEF. OFF" for a few seconds and returns to the previous display.

Scanning the Maker's Surround/Equalization Presets

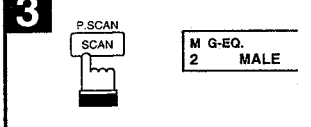


Note:
Depending on the head unit connected with the ERA-G100, this feature may become unfunctional.

Press the P.PROC button on the Head unit or Remote Controller to select the mode, Surround or Equalizer.



Press the P.SCAN button on the Head unit to begin the preset scanning.
The unit scans the Maker's presets (1 through 6) and stops at each preset for 5 seconds. The display shows the preset number being scanned.



Press the P.SCAN button on the Head unit when your desired mode is found. The unit stops scanning and sets in that mode.

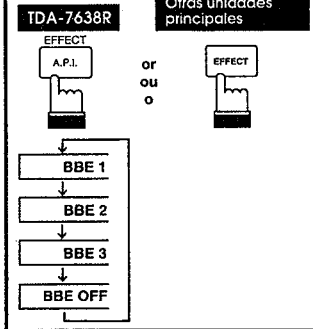
Note:
The Preset scanning finishes when all the maker's presets have been scanned once.

ADJUSTMENT/OPERATION

English

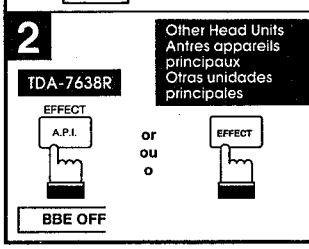
Selecting the BBE Mode

The built-in BBE (Barcus Berry Electronics) Processor is designed to return the natural balance of harmonic time alignment, which disappears when the sound signal is amplified and reproduced by loudspeakers. The result of this processing is crisp, clean sound with tighter transients and sharper imaging. You can use the BBE processor together with the equalization and/or surround processor(s).



- Press the EFFECT button on the Head unit after pressing the A.PROC button (if your Head unit has the EFFECT button, you do not need to press the A.PROC button) to activate the desired level of the BBE processing.
- When you have connected the TDA-7638R, press the A. PROC button and select the G-EQ or SURROUND mode, then press the EFFECT button to activate the desired BBE processing. The display shows BBE 1, 2 or 3 depending on its last setting. Each time the EFFECT button is pressed, the next BBE setting will be activated. The effect is proportionally reduced for the BBE-2 and BBE-3 has the least effect.

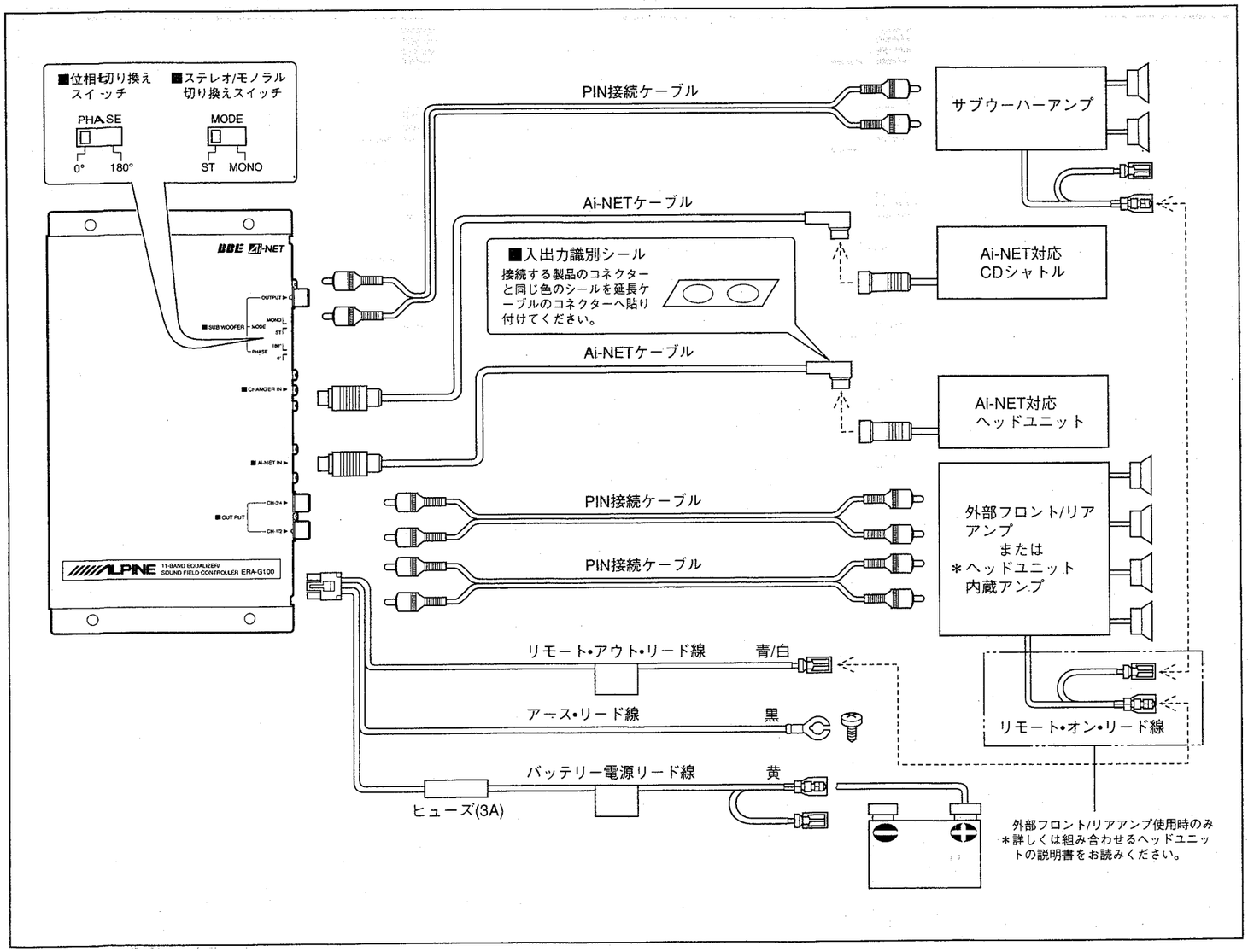
Note: The BBE processor has the most audible effect when used the equalizer together with one of the surround patterns.



Press the EFFECT button repeatedly until the display shows BBE OFF to deactivate the BBE processor.

MEMO

基本システム



基本操作

この取扱説明書での操作と調整は、別冊の取付け・接続ガイドに記載されているように本機がAi-NETでヘッドユニット[たとえばTDA-7638J、TDA-7537J(近日発売予定)]に接続され、リモコン(たとえば、ヘッドユニット付属の1101リモコン)を使用することを前提として説明してあります。また、本機を接続した場合にはヘッドユニットのトーンコントロール、ラウドネス、A.S.C.の機能は働きません。

サブウーハーをON/OFFするには

1

H.U または リモコン

A.PROC → SURROUND

ディスプレイにG-EQまたはSURROUNDが表示されるまでヘッドユニットかリモコンのA.PROCボタンを押します。
表示は次のように変わります。

G-EQ (グラフィックイコライザー) → SURROUND → A.SOURCE

2

H.U

MODE LOUD → SUB.W. ↕ S.W.OFF

ヘッドユニットのMODEボタンを2秒以上押すと、サブウーハーのON/OFFが切り換わります。

調整のしかた

オーディオ調整モードを選ぶには

1

H.U

MODE LOUD → BALANCE → FADER → SUB.W. → VOLUME

サブウーハーのモード(ONまたはOFF)により表示は以下のようになります。

サブウーハーON時

調整したいモードが表示されるまで、MODEボタンをくり返し押します。

→ VOLUME → BALANCE →
SUB.W (Subwoofer) ← FADER ←

サブウーハーOFF時

H.U

MODE LOUD → BALANCE → FADER → VOLUME

調整したいモードが表示されるまで、MODEボタンをくり返し押します。

→ VOLUME → BALANCE →
FADER ←

サブウーハーレベルの調整について

1

H.U

MODE LOUD → SUB.W.

MODEボタンを押してサブウーハーモードを選択すると、ディスプレイには“SUB.W”が5秒間表示されます。

2

TDA-7638J

または

TDA-7537J

“SUB.W”と表示されている間にヘッドユニットのレベルコントロールを操作して、サブウーハーレベルを調整します。(レベルは0~15までの段階に調節することができます。)

調整のしかた

DSPサラウンドについて

本機はDSP（デジタル・シグナル・プロセッシング）を使って様々な音響空間を作り出すことができます。色々な音楽ソースに応じて6種類のサラウンドモードを選ぶことができます。

プリセット1 NORMAL(FLAT)

サラウンドモードは働きません。

プリセット2(HALL)

音の反響によって大きなコンサートホールの音場を作り出します。
残響レベル：−2dB　残響時間：90ms

プリセット3(STADIUM)

屋外スタジアムの音場を作り出します。
残響レベル：−6dB　残響時間：231ms

プリセット4(CHURCH)

天井が高く反響の多い大きな教会の音場を作り出します。
残響レベル：−6dB　残響時間：1500ms

プリセット5(DANCE)

適度な反響でダンスホールの音場を作り出します。
残響レベル：0dB　残響時間：203ms

プリセット6(LIVE)

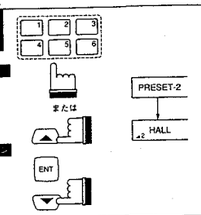
少ない反響で小さなコンサートホールの音場を作り出します。
残響レベル：−2dB　残響時間：29ms

DSPサラウンド(メーカー設定)を選ぶには

1

ディスプレイにSURROUNDが表示されるまで、ヘッドユニットまたはリモコンのA.PROCボタンを押します。

2

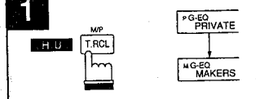


合わせたいヘッドユニットのサラウンドモードプリセットボタン（1〜6）を押します。または合わせたいサラウンドモードが表示されるまで、リモコンの▲/▼ボタンを押します。ディスプレイには◢マーク、プリセット・ナンバー、サラウンドモード名（NORMAL、HALL、STADIUM、CHURCH、DANCE、LIVE）が表示されます。

調整のしかた

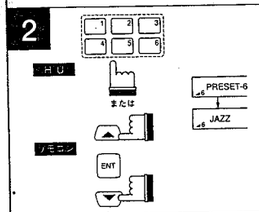
イコライザー特性(メーカー設定)を選ぶには

1



ヘッドユニットまたはリモコンのA.PROCボタンを押しG-EQモードにした後、ヘッドユニットのM/Pボタンを押して、プライベート・イコライザーモードを選びます。
ディスプレイに“MAKERS”と表示されます。

2

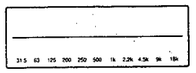


ヘッドユニットのプリセットボタン（1〜6）またはリモコンの▲/▼ボタンを押して、ご希望のイコライザー特性を選びます。あらかじめ設定されている6種類（FLAT、MALE、FEMALE、NEWS、ROCK、JAZZ）の中から選ぶことができます。（8ページ参照）

イコライザー(メーカー設定)パターンについて

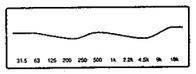
プリセットボタン 1　FLAT

フラットな周波数



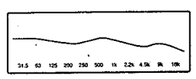
プリセットボタン 2　MALE（男性ボーカル）

高域をやや強調する



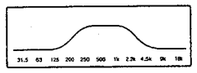
プリセットボタン 3　FEMALE（女性ボーカル）

高域をやや抑える



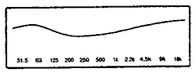
プリセットボタン 4　NEWS

中域だけを強調する



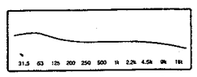
プリセットボタン 5　ROCK

低域および高域を強調する



プリセットボタン 6　JAZZ

高域はやや抑えて低域を強調する

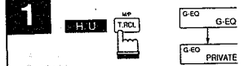


Point ヘッドユニットのディスプレイにはカーブは表示されません。

調整のしかた

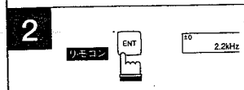
プライベート・イコライザーをプリセットするには

1



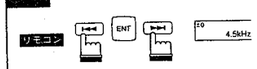
ヘッドユニットまたはリモコンのA.PROCボタンを押しG-EQモードにした後、ヘッドユニットのM/Pボタンを押して、プライベート・イコライザーモードを選びます。
ディスプレイに“PRIVATE”と表示されます。

2



リモコンのENTボタンを押して、調整モードにします。
ディスプレイに周波数とレベルが5秒間表示されます。

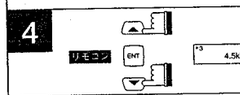
3



リモコンのDN(⏮)ボタンまたはUP(⏭)ボタンを押して調整したい周波数を選びます。
周波数表示は31.5Hzから18kHzまで変わります。

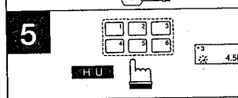
Point ⏮ボタンまたは⏭ボタンを2秒以上押すと周波数表示が早く変化します。

4



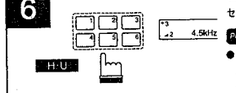
リモコンの▲/▼ボタンを押してレベルを調整します。
レベル表示は+6から−6まで変わります。

5



ヘッドユニットのプリセットボタン（1〜6）のいずれか1つを2秒以上押してメモリーモードにします。ディスプレイの◢マークが5秒間点滅します。

6



◢マークが点滅している間に、ヘッドユニットのプリセットボタンを押してイコライザー特性を記憶させます。

Point
- あらかじめサラウンドモード（7ページ参照）を選んでおけば、イコライザーと同時に、サラウンドモードも記憶させることができます。

イコライザーが記憶されると、◢マークは点滅から点灯した状態になります。
ディスプレイに、プリセットナンバーと◢マークが表示されます。
さらに異なるイコライザーを記憶させるときは、手順 3 から 6 をくり返します。
プライベート・イコライザーは6つまで記憶させることができます。

- CDシャトル内の各CDに対してイコライザー／サラウンドモードを記憶させることもできます。（10ページの手順を参照してください）

調整のしかた

DISC別イコライザー(サラウンド)をプリセットするには

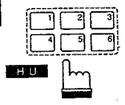
1

“プライベート・イコライザーをプリセットするには”の手順 1 〜 4 を行ない、お好みの音にイコライザーを調整します。

2

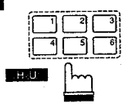
ディスプレイに“A.SOURCE”が表示されるまで、ヘッドユニットまたはリモコンのA.PROCボタンをくり返し押します。

3



調整したいディスクが入っているヘッドユニットのCDシャトルプリセットボタンを2秒以上押してメモリーモードにします。
ディスプレイの◢マークが5秒間点滅します。

4



◢マークが点滅している間にもう1度、同じヘッドユニットのプリセットボタンを押してCDのイコライザー特性を記憶させます。
イコライザー特性が記憶されると◢マークは点滅から点灯に変わります。

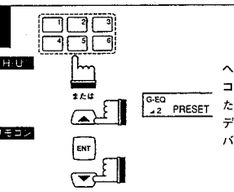
Point
- あらかじめサラウンドモードを選んでおけば、イコライザー特性と同時にサラウンドモードも記憶させることができます。
- プライベートイコライザーはCD18枚分まで記憶させることができます。
19枚目を記憶させようとするとディスプレイに“FULL DATA”と表示されます。
“FULL DATA”表示後、さらにイコライザーを記憶させた場合には、最初に記憶したデータは取り消され19枚目のイコライザーが新しく記憶されます。

プリセットしたプライベート・イコライザーを呼び出すには

1

ヘッドユニットまたはリモコンのA.PROCボタンを押しG-EQモードにした後、ヘッドユニットのM/Pボタンを押して、プライベート・イコライザーモードにします。
ディスプレイに“PRIVATE”と数秒間表示されます。

2



ヘッドユニットのプリセットボタンまたはリモコンの▲/▼ボタンをくり返し押して、呼び出したいプライベート・イコライザーを選びます。
ディスプレイに◢マークとプリセット・ナンバーが表示されます。

調整のしかた

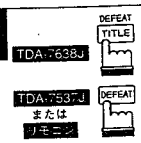
サラウンド、イコライザー特性を解除するには

1

SUR.
または
G-EQ

ヘッドユニットまたはリモコンのA.PROCボタンを押して、サラウンドモードまたはイコライザーモードを選びます。

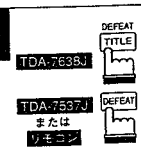
2



DEFEAT

ヘッドユニットまたはリモコンのDEFEATボタンを押して、サラウンドとイコライザー特性を解除します。
ディスプレイに“DEFEAT”と表示されます。

3



DEF. OFF

サラウンドあるいはイコライザーモードに戻すには、もう一度DEFEATボタンを押します。
ディスプレイに数秒間“DEF.OFF”と表示され、元の表示に戻ります。

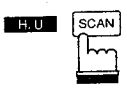
サラウンドまたはイコライザー(メーカー設定)をスキャンするには

1

SURROUND
または
G-EQ

ヘッドユニットまたはリモコンのA.PROCボタンを押して、サラウンドモードまたはイコライザーモードを選びます。

2



M G-EQ
2 P. PRESET

ヘッドユニットのSCANボタンを押して、スキャンを始めます。
ディスプレイに記憶されているモードが順に各5秒間表示されます。

3

M G-EQ
2 MALE

ご希望のモードが見つかったら、ヘッドユニットのSCANボタンを押します。

Point

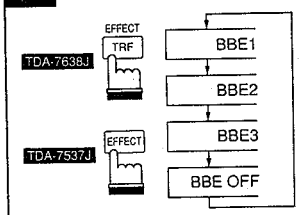
ひととおりスキャンした後、自動的に解除します。

調整のしかた

BBEのモードを選ぶには

内蔵のBBE（Barcus Berry Electronics）は、楽器や音本来の音響バランスを補正するサラウンド・プロセッサーです。スピーカーからでる音は、倍音成分が出にくく位相ズレも発生します。これらを補正することにより、サラウンドを超える臨場感を再現します。イコライザー／サラウンド調整をした上で、BBEによる補正をおこなえば音場空間の再現により効果的です。

1

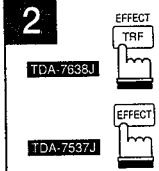


① ヘッドユニットまたはリモコンのA.PROCボタンを押し、イコライザーモードあるいはサラウンドモードにします。(TDA-7638Jのみ)
② ヘッドユニットのEFFECTボタンを押して、BBEのモードを選びます。
EFFECTボタンを押すたびにディスプレイにBBE1、BBE2、BBE3のモードが順に表示されます。
ＢＢＥの効果は、ＢＢＥ1が最も大きく、BBE2、BBE3の順で小さくなります。

Point

BBEプロセッサーは、サラウンドと同時に動作させるとより効果的です。

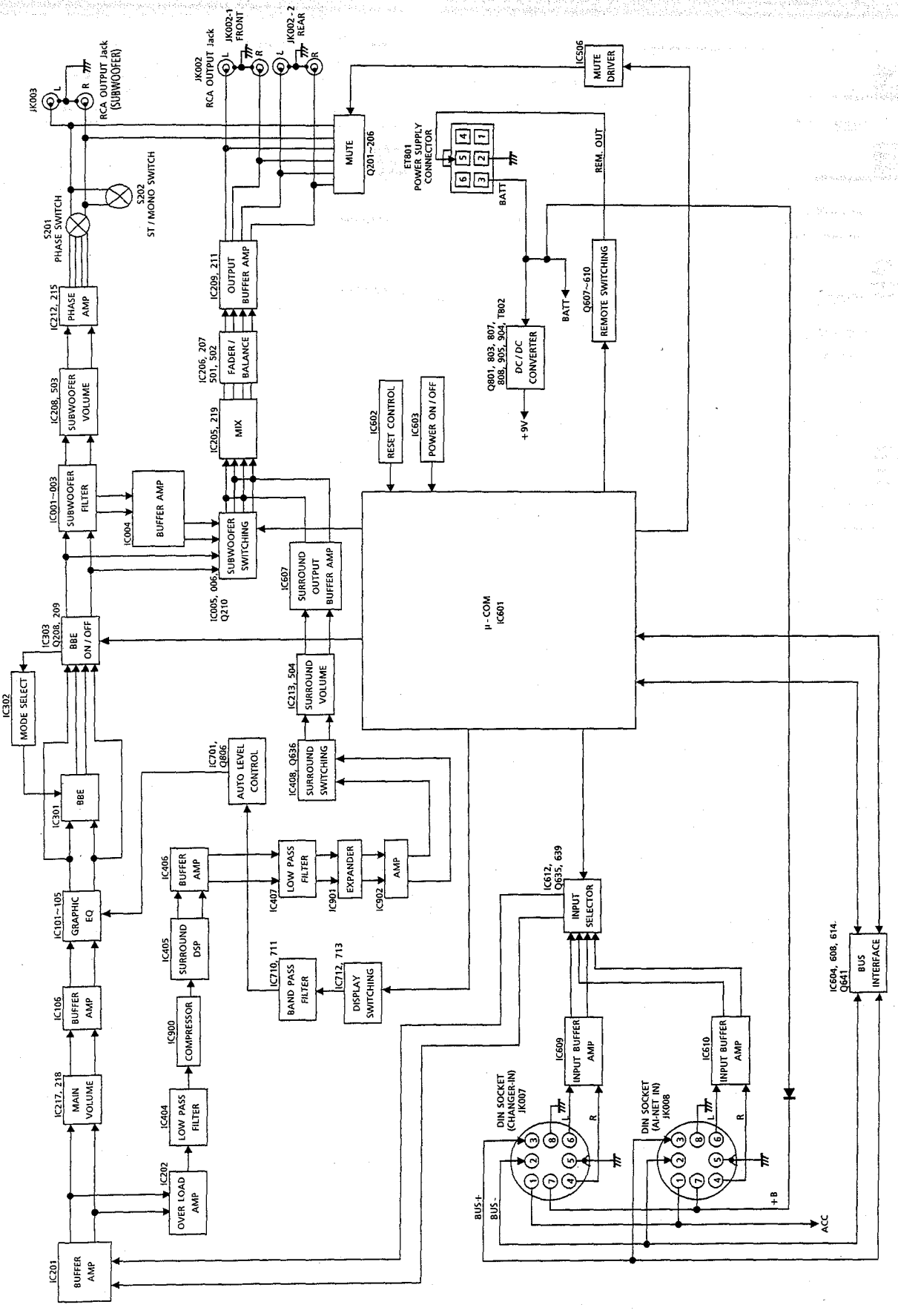
2



BBE OFF

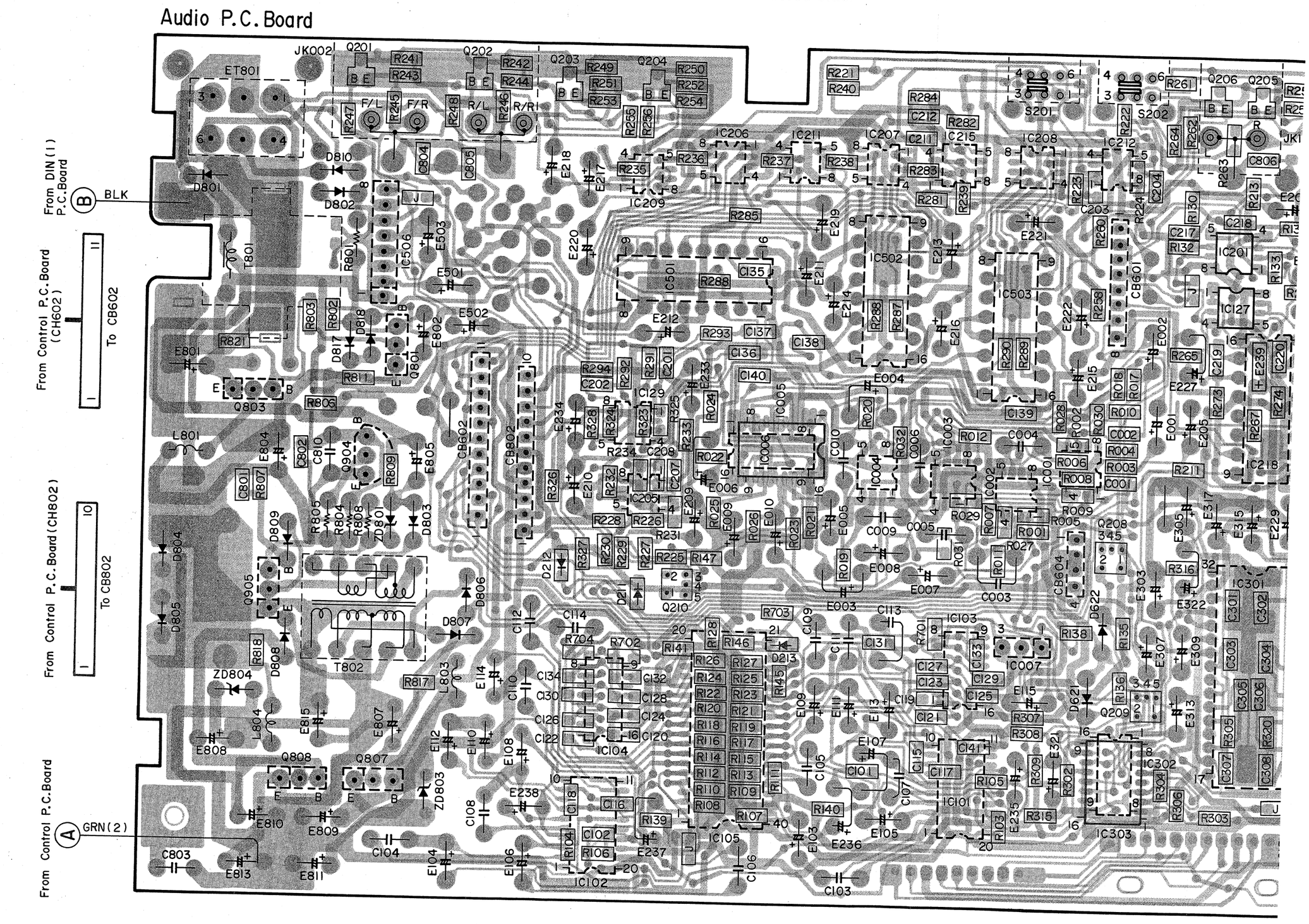
ＢＢＥ補正をしない場合は、ディスプレイにBBE.OFFが表示されるまで、EFFECTボタンを押します。

Block Diagram



Parts Layout on P.C.Board and Wiring Diagram (1/2)

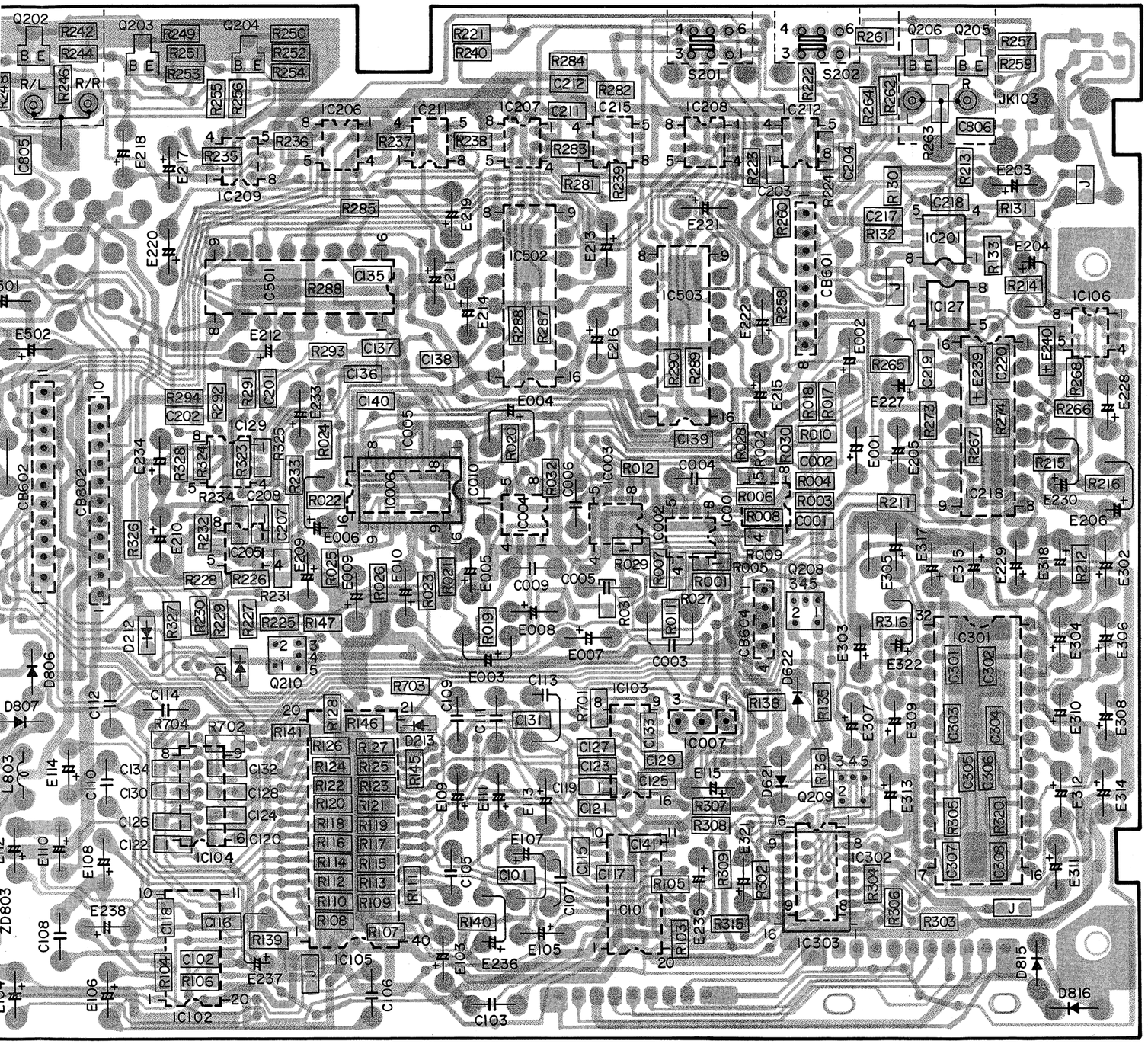
P.C.Board viewed from soldered side.



Orange Pattern : Compone
Blue Pattern : Foil Side I

?)

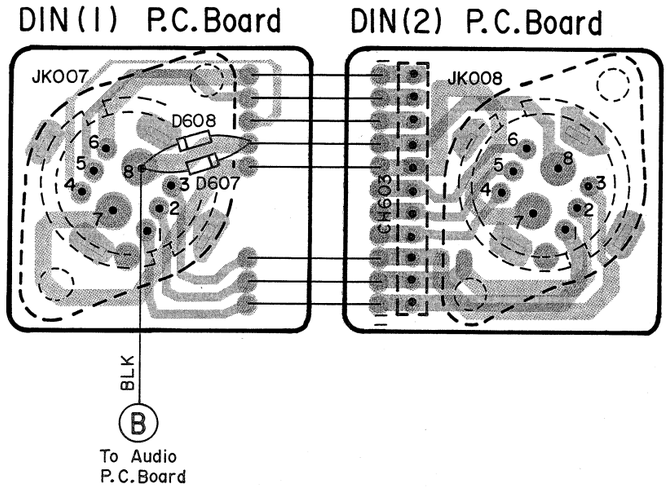
P.C.Board viewed from soldered side.

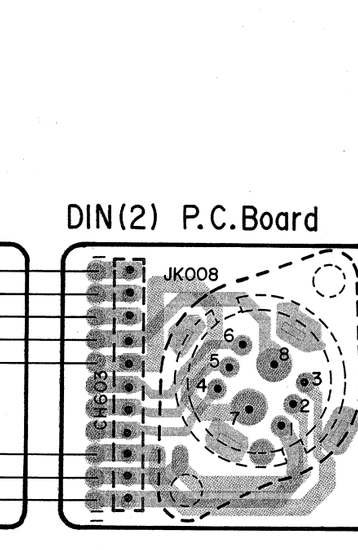


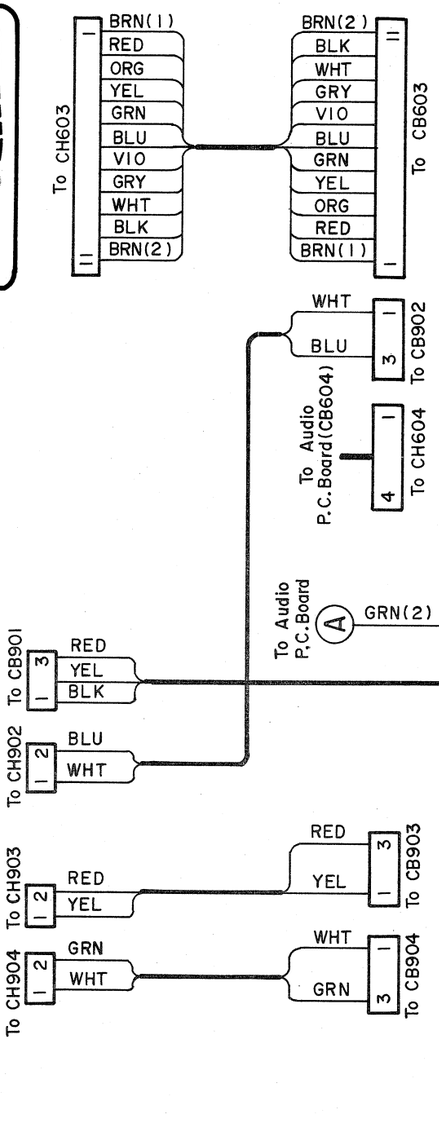
Orange Pattern : Component Side Pattern
Blue Pattern : Foil Side Pattern

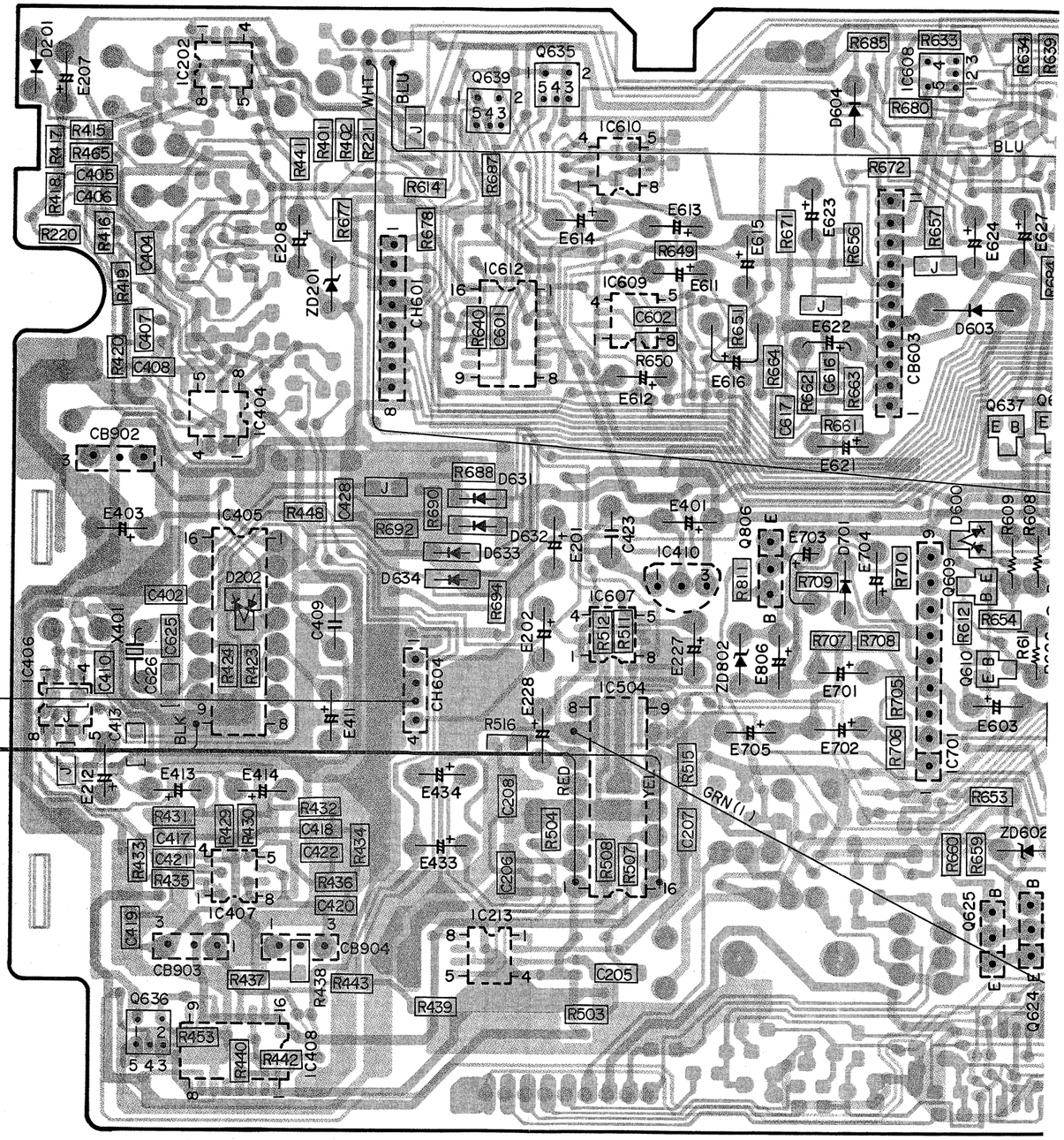
Parts Layout on P.C.Board and Wiring Diagram (2/2)

All P.C.Boards viewed from soldered side.





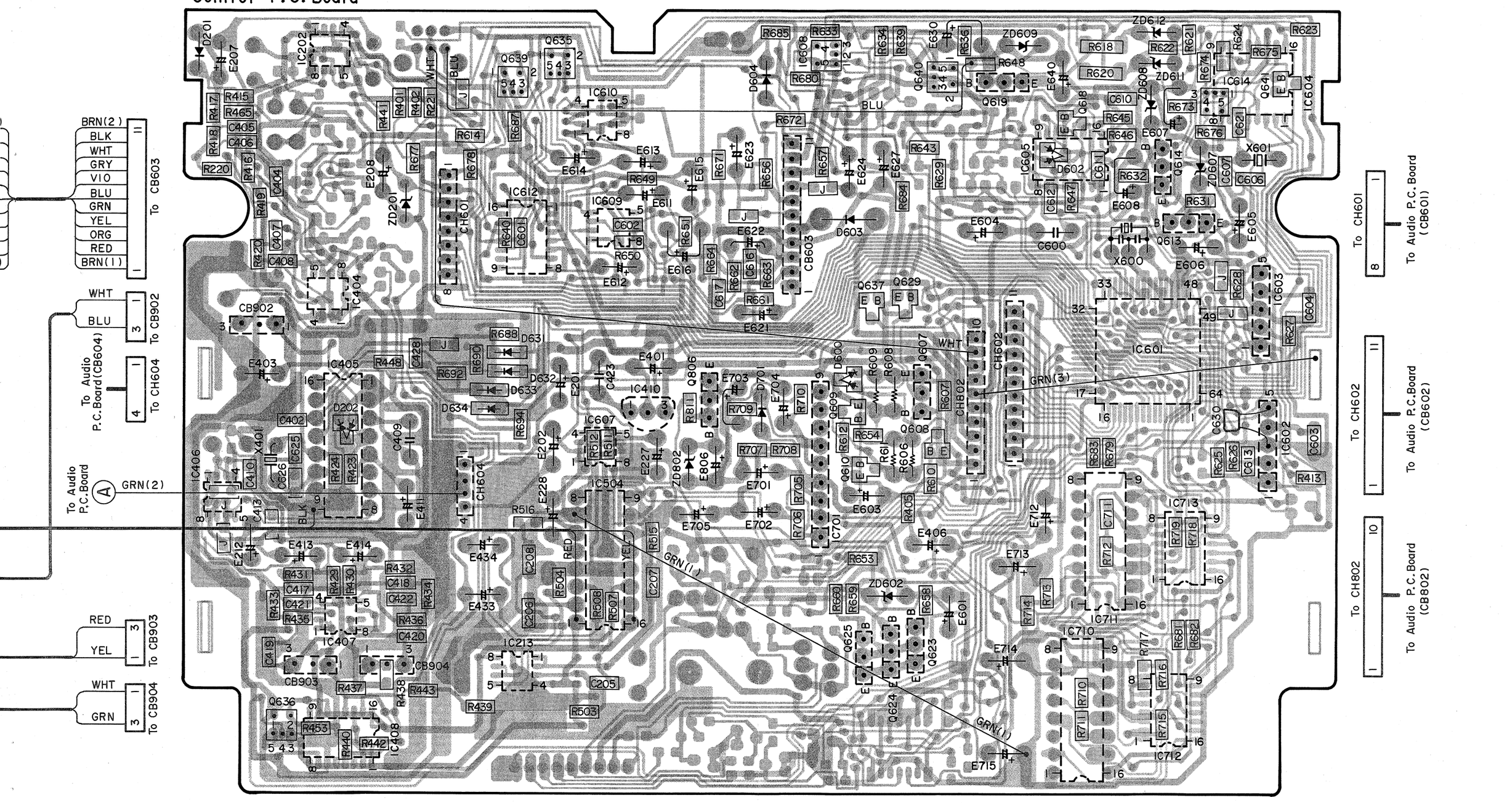




gram (2/2)

All P.C.Boards viewed from soldered side.

Control P.C. Board

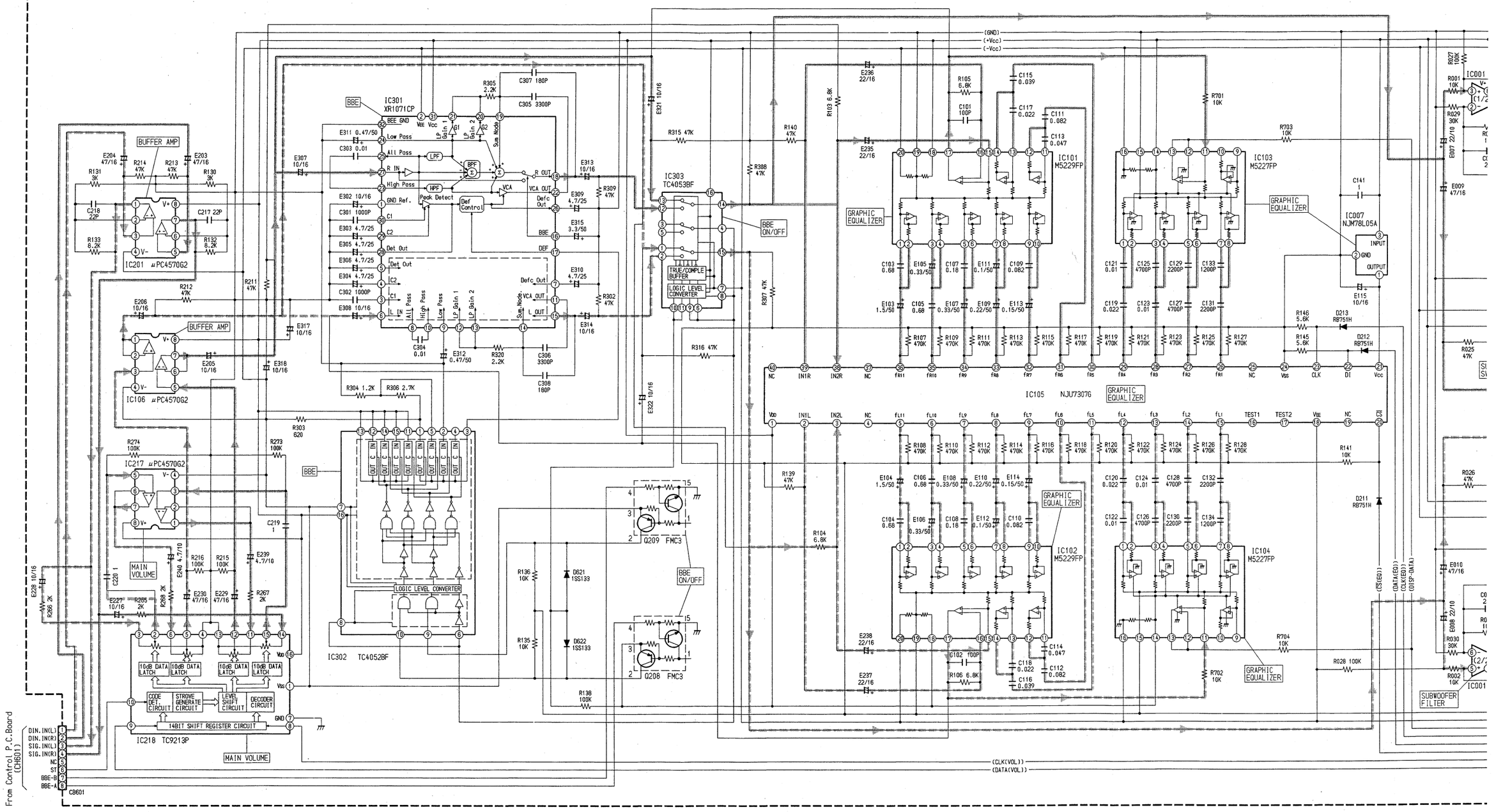


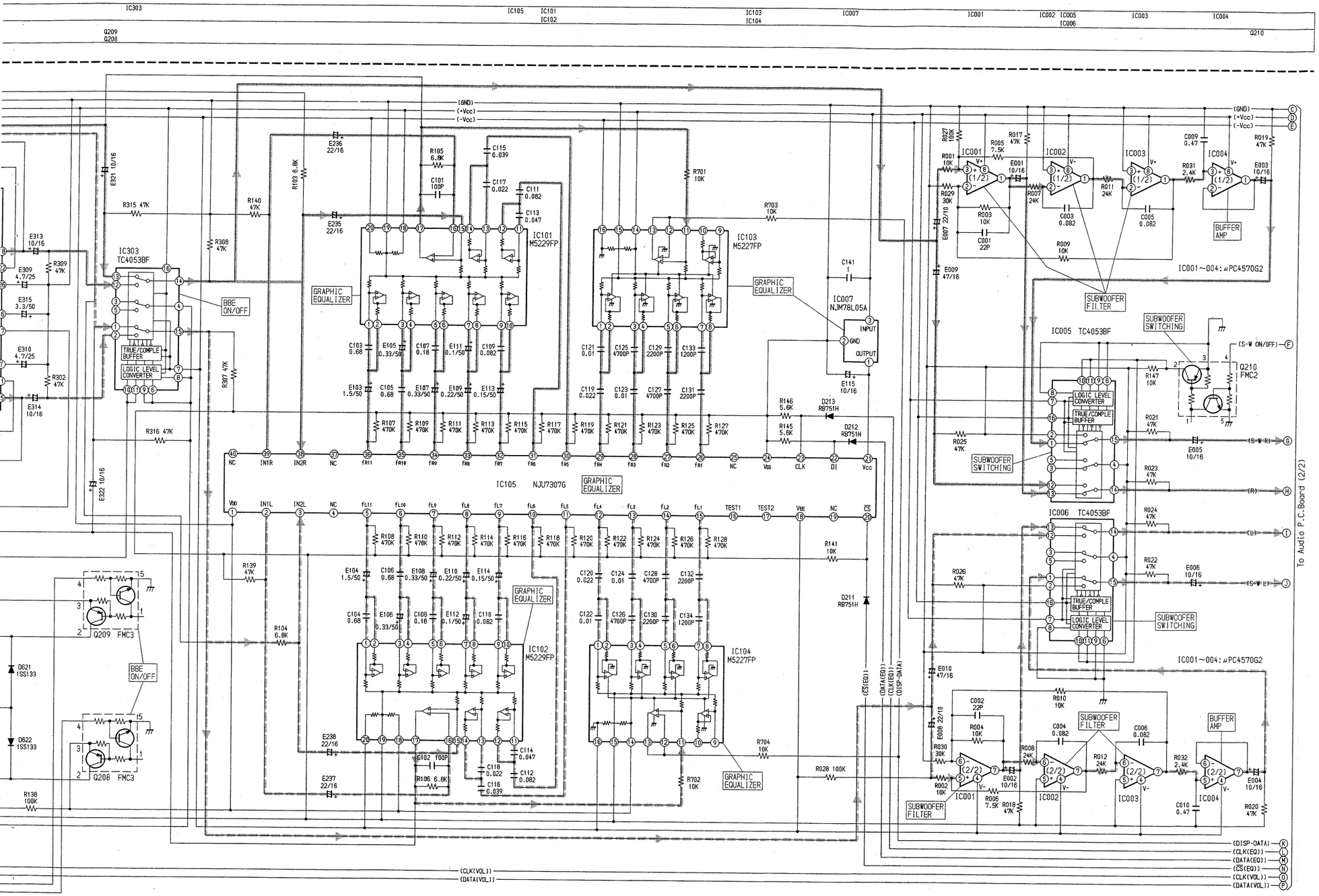
Orange Pattern : Component Side Pattern
Blue Pattern : Foil Side Pattern

Schematic Diagram (1/4)

IC	IC201 IC106 IC217 IC218	IC302	IC301	IC303	IC105	IC101 IC102	IC103 IC104	IC007	IC001
Transistor (Q)			Q209 Q208						

Audio P.C.Board (1/2)





IC001~004, 106, 201, 217

1	0V
2	0V
3	0V
4	-8.8V
5	0V
6	0V
7	0V
8	8.7V

IC005, 006

1	0V	9	0V
2	0V	10	0V
3	NC	11	0V
4	0V	12	0V
5	NC	13	0V
6	0V	14	0V
7	-8.8V	15	0V
8	0V	16	8.7V

IC007

1	4.8V
2	0V
3	18.7V

IC101, 102

1	0V	11	0V
2	0V	12	0V
3	0V	13	0V
4	0V	14	0V
5	0V	15	0V
6	0V	16	0V
7	0V	17	0V
8	0V	18	8.7V
9	0V	19	0V
10	0V	20	-8.8V

IC103, 104

1	0V	9	NC
2	0V	10	NC
3	0V	11	0V
4	0V	12	0V
5	0V	13	0V
6	0V	14	8.7V
7	0V	15	0V
8	0V	16	-8.8V

IC218

1	-8.8V	9	5V
2	0V	10	5V
3	0V	11	0V
4	0V	12	0V
5	0V	13	0V
6	0V	14	0V
7	0V	15	0V
8	0V	16	8.7V

IC302

1	-7.6V	9	5.2V
2	-2.9V	10	5.2V
3	-0.5V	11	8.7V
4	NC	12	8.7V
5	-5.3V	13	8.7V
6	0V	14	8.7V
7	-1V	15	8.7V
8	0V	16	8.7V

IC301

1	-0.2V	9	-0.2V	17	0V	25	-0.2V
2	-8.8V	10	-0.2V	18	0V	26	-0.2V
3	-0.2V	11	-0.2V	19	-0.2V	27	-0.2V
4	-0.2V	12	-0.2V	20	-0.2V	28	-0.2V
5	-0.2V	13	-0.2V	21	-0.2V	29	-0.2V
6	-0.2V	14	-0.2V	22	-0.2V	30	-0.2V
7	-0.2V	15	-0.2V	23	-0.2V	31	8.7V
8	-0.2V	16	-0.7V	24	-0.2V	32	-0.2V

IC105

1	8.7V	21	4.8V
2	0V	22	4.7V
3	0V	23	0V
4	NC	24	0V
5	0V	25	NC
6	0V	26	0V
7	0V	27	0V
8	0V	28	0V
9	0V	29	0V
10	0V	30	0V
11	0V	31	0V
12	0V	32	0V
13	0V	33	0V
14	0V	34	0V
15	0V	35	0V
16	NC	36	0V
17	NC	37	NC
18	0V	38	0V
19	NC	39	0V
20	0V	40	NC

IC303

1	0V	9	0V
2	0V	10	7.6V
3	NC	11	7.6V
4	0V	12	0V
5	NC	13	0V
6	0V	14	0V
7	-8.8V	15	0V
8	0V	16	8.7V

	1	2	3	4	5
Q208~210	NC	0V	8.7V	0V	0V

[Measuring Conditions]

- Power Supply Voltage DC14.4V
- Measuring Meter ..... Digital Multi Meter
- Measuring Point Reference ..... Between Ground
- Measuring Conditions ..... No Signal Input
  Equalizer : Flat

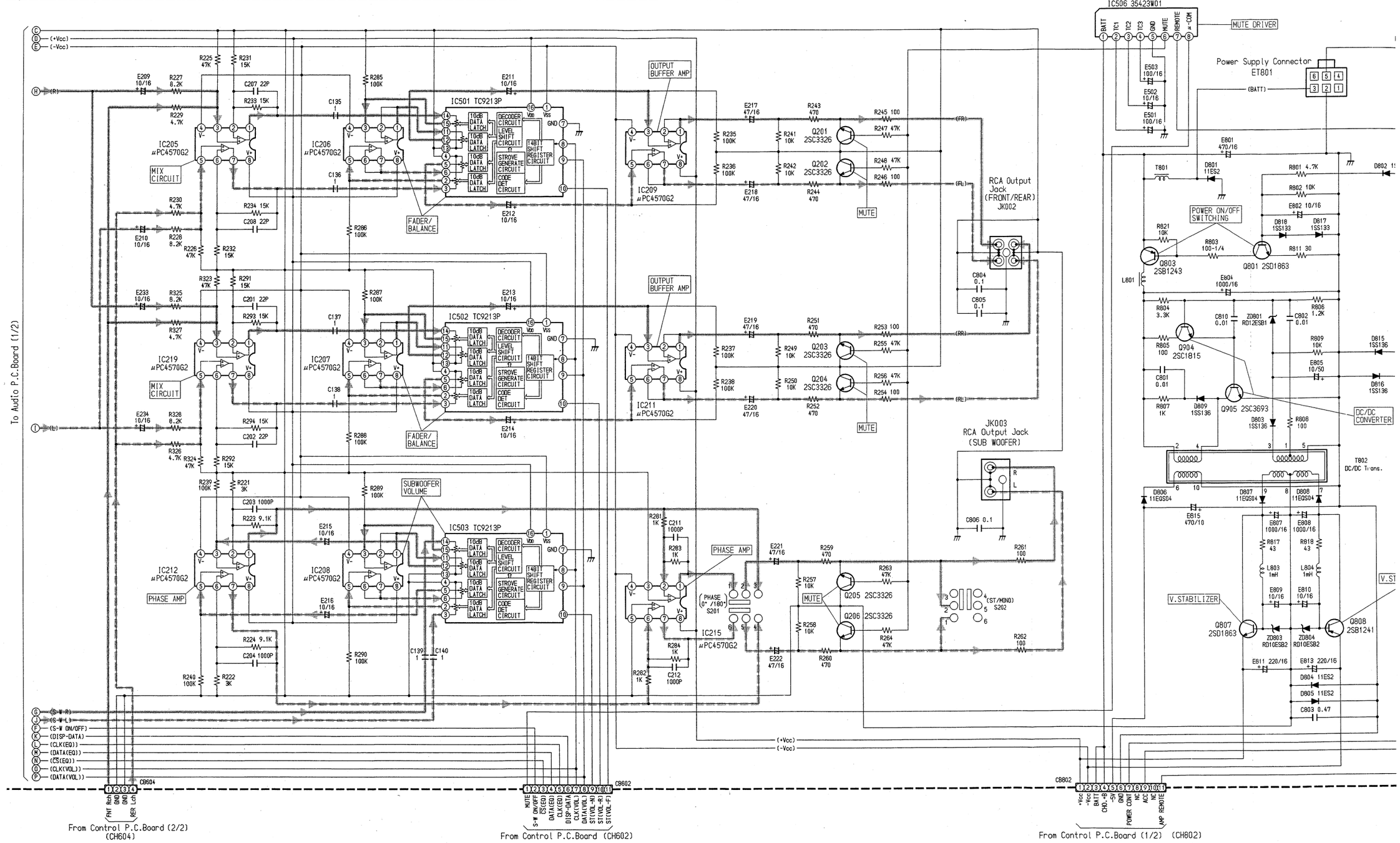
NOTES:

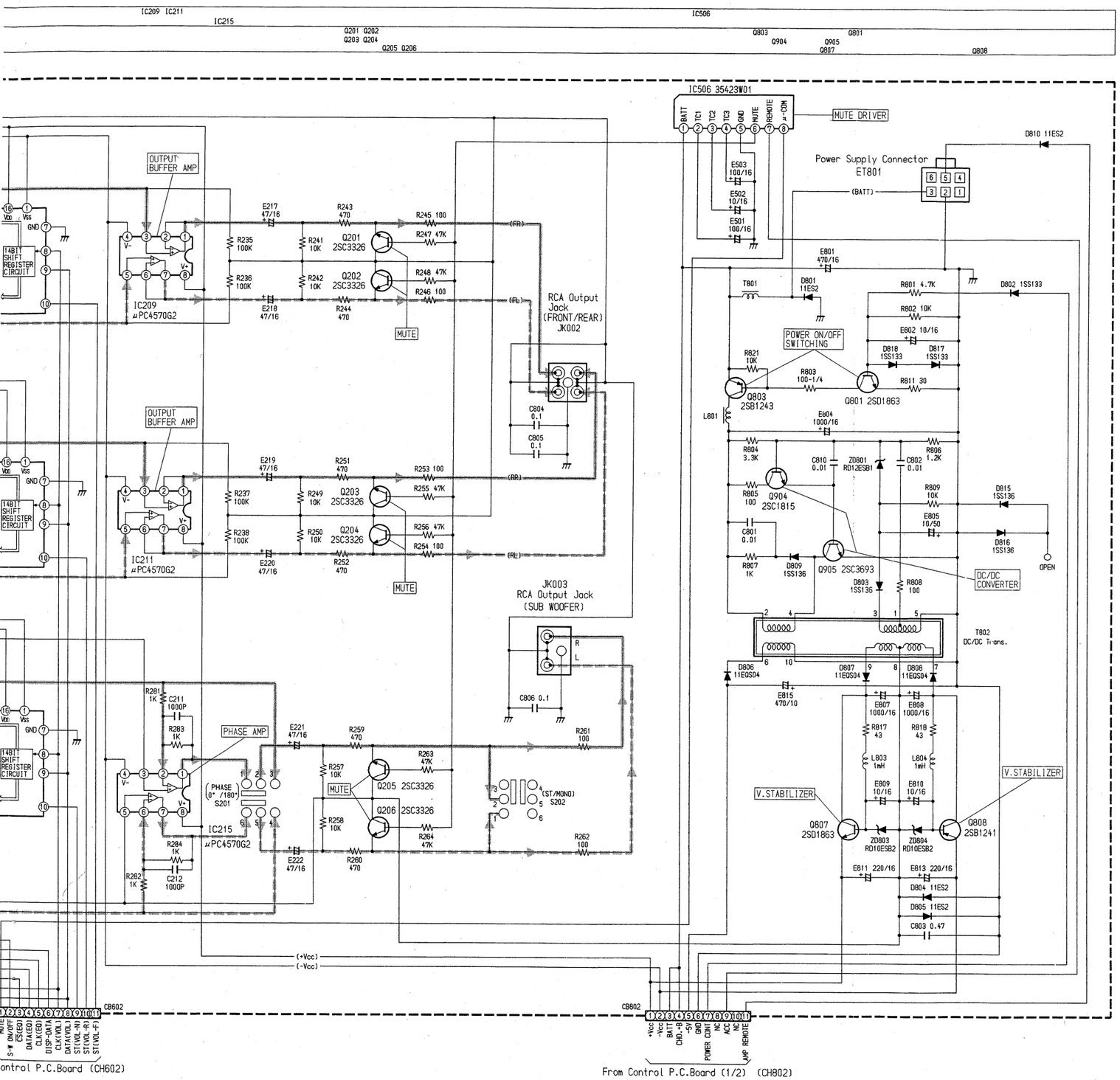
1. All resistance values are in ohms. K= 1,000
2. All capacitance values are in microfarads. P= 1/1,000,000

Schematic Diagram (2/4)

IC	IC205 IC219 IC212	IC206 IC207 IC208	IC501 IC502 IC503	IC209 IC211 IC215	IC506
Transistor (Q)			Q201 Q202 Q203 Q204 Q205 Q206	Q803 Q904 Q801 Q905 Q807	Q808

Audio P.C.Board (2/2)





IC205~209, 211, 212, 215, 219

1	0V
2	0V
3	0V
4	-8.8V
5	0V
6	0V
7	0V
8	8.7V

IC501, 502, 503

1	-8.8V	9	5V
2	0V	10	0V
3	0V	11	0V
4	0V	12	0V
5	0V	13	0V
6	0V	14	0V
7	0V	15	0V
8	0V	16	8.7V

IC506

1	14.3V
2	6.8V
3	0V
4	13.8V
5	0V
6	0V
7	14V
8	8.7V

	E	C	B
Q201~206	0V	0V	0V
Q801	0.6V	11.9V	1.2V
Q803	14.3V	13.8V	13.8V
Q807	8.7V	10.8V	10V
Q808	-8.8V	-10.1V	-10.7V
Q904	0.1V	13.7V	0.26V
Q905	0V	0V	0.6V

[Measuring Conditions]

- Power Supply Voltage DC14.4V
- Measuring Meter ..... Digital Multi Meter
- Measuring Point Reference ..... Between Ground
- Measuring Conditions ..... No Signal Input
  Equalizer : Flat

NOTES:

1. All resistance values are in ohms. K= 1,000
2. All capacitance values are in microfarads. P= 1/1,000,000

Schematic Diagram (3/4)

IC	IC202 IC701	IC404 IC711 IC710	IC405 IC713 IC712	IC410	IC406	IC601	IC407	IC602 IC6
Transistor (Q)	Q608 Q607 Q610 Q609 Q623 Q624 Q637 Q625 Q629 Q806	Q619	Q640 Q614				Q636	

Control P.C.Board (1/2)

From Compander P.C.Board (CH902)

From Compander P.C.Board (CH903)(CH904)

To Audio P.C.Board (1/2) (CB601)

To Audio P.C.Board (2/2) (CB602)

To Audio P.C.Board (2/2) (CB802)

IC202 μPC4570G2 — OVER LOAD AMP

IC404 μPC4570G2 — LOW PASS FILTER

IC405 YM7128 — SURROUND SWITCHING

IC410 NJM78L05A — REGULATOR

IC406 μPC4570G2 — BUFFER AMP

IC407 μPC4570G2 — L.P.F

IC701 BA3306 — AUTO LEVEL CONTROL

IC711 XR1091 — B.P.F

IC710 XR1091 — B.P.F

IC713 TC4051BF — DISPLAY SWITCHING

IC712 TC4051BF — DISPLAY SWITCHING

IC601 45552W19 μ-COM

Q806 2SD1858 — POWER CONTROL

Q609 2SA1037K — REMOTE SWITCHING

Q610 DTC124EK — REMOTE SWITCHING

Q637 DTB114EK — POWER CONTROL

Q629 DTC124EK — V.STABILIZER (DISPLAY)

Q607 2SB1277

Q623 2SD1863

Q624 2SD1863

Q625 2SD1863

Q608 DTC124EK

Q619 2SD1858 — V.STABILIZER

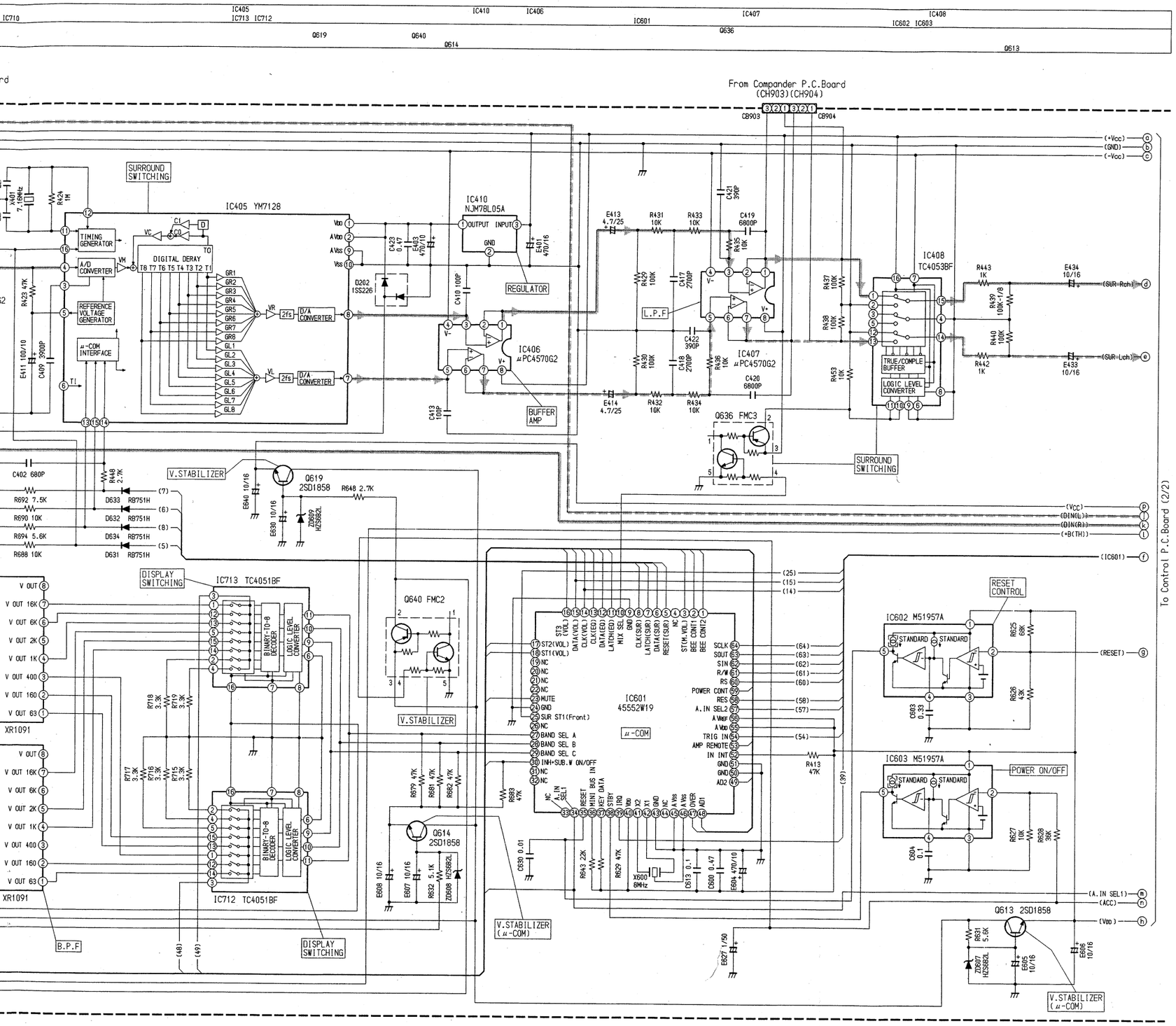
Q640 FMC2 — V.STABILIZER

Q614 2SD1858 — V.STABILIZER (μ-COM)

Q636 FMC3 — SURROUND SWITCHING

TRUE/COMPLE BUFFER

LOGIC LEVEL CONVERTER



IC202

1	0V
2	0V
3	0V
4	-8.8V
5	—
6	—
7	—
8	8.7V

IC404, 407

1	0V
2	0V
3	0V
4	-8.8V
5	0V
6	0V
7	0V
8	8.7V

IC405

1	4.8V	9	0V
2	4.8V	10	0V
3	1.8V	11	2V
4	1.8V	12	2V
5	2.4V	13	4.7V
6	NC	14	0V
7	2.2V	15	0V
8	2.2V	16	4.8V

IC406

1	2.2V
2	2.2V
3	2.2V
4	-8.8V
5	2.2V
6	2.2V
7	2.2V
8	8.7V

IC408

1	0V	9	8.7V
2	0V	10	8.7V
3	—	11	0V
4	0V	12	0V
5	—	13	0V
6	0V	14	0V
7	-8.8V	15	0V
8	0V	16	8.7V

IC602

1	5.2V
2	0.7V
3	0V
4	3.4V
5	5.2V

IC701

1	1.9V
2	0V
3	1.7V
4	0V
5	0V
6	9.4V
7	NC
8	NC
9	NC

IC710

1	0V
2	0V
3	NC
4	0V
5	0V
6	NC
7	0V
8	—
9	-4.8V
10	0V
11	0V
12	0V
13	0.8V
14	0.8V
15	NC
16	5.2V

IC603

1	5.2V
2	2V
3	0V
4	0.7V
5	5.2V

IC410

1	4.8V
2	0V
3	8.7V

IC601

1	5V	17	0V	33	NC	49	0V
2	5V	18	0V	34	0V	50	4.8V
3	5V	19	NC	35	5V	51	5V
4	NC	20	NC	36	4.3V	52	4.8V
5	5V	21	NC	37	0V	53	0V
6	0V	22	NC	38	5V	54	0V
7	0V	23	5V	39	0V	55	5V
8	5V	24	0V	40	5V	56	5V
9	0V	25	5V	41	2.6V	57	0V
10	0V	26	NC	42	0.7V	58	0V
11	5V	27	1.7V	43	0V	59	5V
12	5V	28	1.5V	44	NC	60	0V
13	0V	29	1.2V	45	0V	61	0V
14	0V	30	0V	46	0V	62	0V
15	5V	31	NC	47	0V	63	0V
16	5V	32	NC	48	0V	64	0V

IC711

1	0V	9	-4.8V
2	0V	10	0V
3	0V	11	0V
4	0V	12	0V
5	NC	13	0.8V
6	0V	14	0.8V
7	0V	15	NC
8	—	16	5.2V

IC712, 713

1	0V	9	1.2V
2	0V	10	1.5V
3	0V	11	1.7V
4	0V	12	0V
5	0V	13	0V
6	0V	14	0V
7	0V	15	0V
8	0V	16	5.2V

	E	C	B
Q607	5.2V	14.3V	5.6V
Q608	0V	0V	3.6V
Q609	14.2V	0V	14.2V
Q610	0V	14.3V	0V
Q613	5V	14.3V	5.6V
Q614	5V	14.3V	5.6V
Q619	5V	14.3V	5.5V
Q623	0V	0V	4.3V
Q624	5.2V	14.3V	5.6V
Q625	5.2V	14.3V	5.6V
Q629	0V	0V	5V
Q637	14.3V	14.2V	0V
Q806	14.3V	9.8V	10.7V

	1	2	3	4	5
Q636	NC	8.7V	8.7V	5V	0V
Q640	—	14.1V	14.3V	14.1V	0V

[Measuring Conditions]

- Power Supply Voltage DC14.4V
- Measuring Meter ..... Digital Multi Meter
- Measuring Point Reference ..... Between Ground
- Measuring Conditions ..... No Signal Input
  Equalizer : Flat

NOTES:

1. All resistance values are in ohms. K= 1,000
2. All capacitance values are in microfarads. P= 1/1,000,000

Schematic Diagram (4/4)

IC	IC604 IC213 IC605	IC504	IC614	IC608	IC607 IC612 IC609	IC610	IC900	IC901	IC902
Transistor (Q)	Q618 Q641					Q635 Q639			

Control P.C.Board (2/2)

Compander P.C.Board

To Control P.C.Board (1/2)

To Audio P.C.Board (2/2) (CB604)

To Control P.C.Board (1/2) (CB02)

To Control P.C.Board (1/2) (CB03)

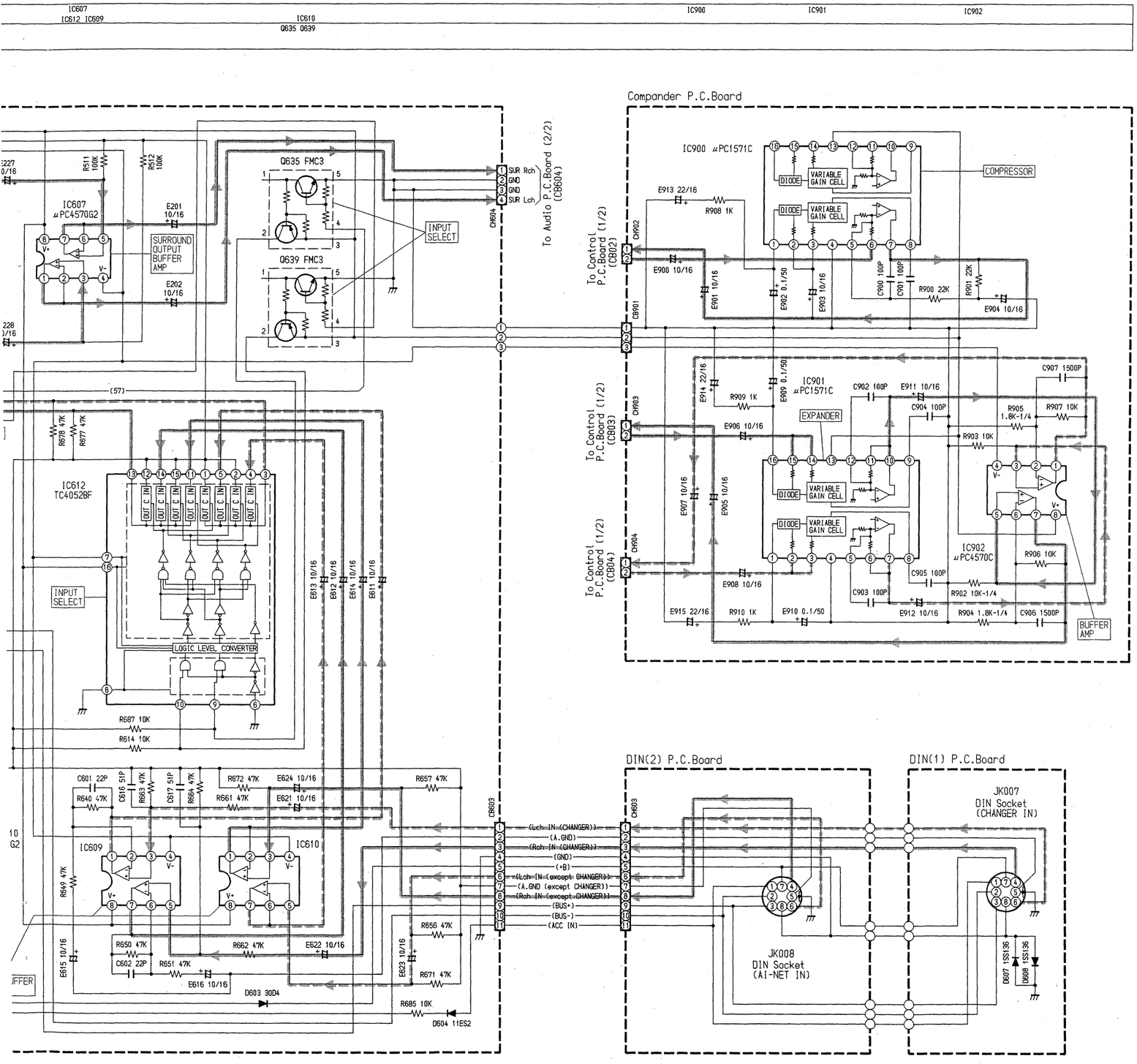
To Control P.C.Board (1/2) (CB04)

DIN(2) P.C.Board

DIN(1) P.C.Board

JK007 DIN Socket (CHANGER IN)

JK008 DIN Socket (AI-NET IN)



IC213, 607

1	0V
2	0V
3	0V
4	-8.8V
5	0V
6	0V
7	0V
8	8.7V

IC504

1	-8.8V	9	5V
2	0V	10	5V
3	0V	11	0V
4	0V	12	0V
5	0V	13	0V
6	0V	14	0V
7	0V	15	0V
8	0V	16	8.7V

IC605

1	0V	9	NC
2	1.6V	10	0V
3	5V	11	4.4V
4	0V	12	0V
5	4.7V	13	5V
6	0V	14	2V
7	NC	15	0V
8	0V	16	5V

IC608

1	0.5V
2	0V
3	2V
4	4.7V
5	5V

IC604

1	4.5V
2	0V
3	0V
4	0V
5	1.5V
6	1.5V
7	0V
8	0V
9	3.5V
10	0V
11	3.9V
12	0.8V
13	3.8V
14	0V
15	4.5V
16	3.7V

IC612

1	0V
2	0V
3	0V
4	0V
5	0V
6	0V
7	-8.8V
8	0V
9	-8.8V
10	0V
11	0V
12	0V
13	0V
14	0V
15	0V
16	8.7

IC609, 610

1	0V
2	0V
3	0V
4	-8.8V
5	0V
6	0V
7	0V
8	8.7V

IC614

1	2V
2	0V
3	3.9V
4	2.8V
5	5V

IC902

1	0V
2	0V
3	0V
4	-8.5V
5	0V
6	0V
7	0V
8	8.5V

IC901

1	0.8V	9	1.8V
2	1.8V	10	3.1V
3	1.8V	11	3.1V
4	1.8V	12	1.8V
5	1.8V	13	8.5V
6	3.1V	14	1.8V
7	3.1V	15	1.8V
8	1.8V	16	0.8V

IC900

1	0.9V	9	—
2	1.8V	10	—
3	1.8V	11	—
4	0V	12	—
5	1.8V	13	8.5V
6	1.8V	14	—
7	4.8V	15	—
8	1.8V	16	—

	E	C	B
Q618	0V	1.7V	0V
Q641	0V	5V	0V

	1	2	3	4	5
Q635	—	0V	8.7V	0V	0V
Q639	—	0V	8.7V	0V	0V

[Measuring Conditions]

- Power Supply Voltage DC14.4V
- Measuring Meter ..... Digital Multi Meter
- Measuring Point Reference ..... Between Ground
- Measuring Conditions ..... No Signal Input
  Equalizer : Flat

NOTES:

1. All resistance values are in ohms. K= 1,000
2. All capacitance values are in microfarads. P= 1/1,000,000

Electrical Parts List

Resistor : Carbon resistors under 1 / 4 watts are not mentioned in the parts list, please confirm them by schematic diagram.

Capacitor : μF=microfarads, pF=picofarads

Abbreviations

RES.=	Resistor	CAP.=	Capacitor
C.F.=	Carbon Film	ELY.=	Electrolytic
M.F.=	Metal Film	CER.=	Ceramic
M.O.=	Metal Oxide Film	MYL.=	Mylar
M.P.=	Metal Plate	TAN.=	Tantalum
TR.=	Transistor	POLY.=	Polystyrol
TRANS.=	Transformer	PP.=	Polypropylene
CP.=	Chip	PLT.=	Polyethylene
		PF.=	Polyester Film

Audio P. C. Board

IC's

Symbol No.	Part No.	Description
IC001	51E08399S01	μPC4570G2
IC002	51E08399S01	μPC4570G2
IC003	51E08399S01	μPC4570G2
IC004	51E08399S01	μPC4570G2
IC005	51E10410S01	TC4053BF
IC006	51E10410S01	TC4053BF
IC007	51T60969F01	NJM78L05A
IC101	51T74296F02	M5229FP
IC102	51T74296F02	M5229FP
IC103	51T84232F02	M5227FP
IC104	51T84232F02	M5227FP
IC105	51E11366S01	NJU7307G
IC106	51E08399S01	μPC4570G2
IC201	51E08399S01	μPC4570G2
IC205	51E08399S01	μPC4570G2
IC206	51E08399S01	μPC4570G2
IC207	51E08399S01	μPC4570G2
IC208	51E08399S01	μPC4570G2
IC209	51E08399S01	μPC4570G2
IC211	51E08399S01	μPC4570G2
IC212	51E08399S01	μPC4570G2
IC215	51E08399S01	μPC4570G2
IC217	51E08399S01	μPC4570G2
IC218	51E11367S01	TC9213P
IC219	51E08399S01	μPC4570G2
IC301	51T55203W01	XR1071CP
IC302	51E11365S01	TC4052BF
IC303	51E10410S01	TC4053BF
IC501	51E11367S01	TC9213P
IC502	51E11367S01	TC9213P
IC503	51E11367S01	TC9213P
IC506	51T35423W01	35423W01

Transistors

Symbol No.	Part No.	Description
Q201	48E11357S01	CP., 2SC3326
Q202	48E11357S01	CP., 2SC3326
Q203	48E11357S01	CP., 2SC3326
Q204	48E11357S01	CP., 2SC3326
Q205	48E11357S01	CP., 2SC3326
Q206	48E11357S01	CP., 2SC3326
Q208	48T73888F13	CP., FMC3
Q209	48T73888F13	CP., FMC3
Q210	48T73888F12	CP., FMC2
Q801	48T83617F03	2SD1863
Q803	48E20938S01	2SB1243
Q807	48T83617F03	2SD1863
Q808	48T83418F01	2SB1241
Q904	48T81101F02	2SC1815
Q905	48T35056W01	2SC3693

Diodes

Symbol No.	Part No.	Description
D211	48E11532S01	CP., RB751H
D212	48E11532S01	CP., RB751H
D213	48E11532S01	CP., RB751H
D621	48T68828F01	1SS133
D622	48T68828F01	1SS133
D801	48T84052F11	11ES2
D802	48T68828F01	1SS133
D803	48T70933F01	1SS136
D804	48T84052F11	11ES2
D805	48T84052F11	11ES2
D806	48T55247W01	11EQS04
D807	48T55247W01	11EQS04
D808	48T55247W01	11EQS04
D809	48T70933F01	1SS136
D810	48T84052F11	11ES2
D815	48T70933F01	1SS136
D816	48T70933F01	1SS136
D817	48T68828F01	1SS133
D818	48T68828F01	1SS133
ZD801	48T68702F50	Zener, RD12ESB1
ZD803	48E11359S01	Zener, RD10ESB2
ZD804	48E11359S01	Zener, RD10ESB2

Symbol No.	Part No.	Description
Coils / Transformer		
L801	24T45301W02	Choke
L803	24E09470S01	1mH
L804	24E09470S01	1mH
T801	24E10408S01	Choke
T802	25T55268W01	TRANS., DC / DC
Capacitors		
C001	21E08400S02	CP., 22pF
E001	23E20772S01	ELY., 10µF / 16V
C002	21E08400S02	CP., 22pF
E002	23E20772S01	ELY., 10µF / 16V
C003	08E09008S03	PF., 0.082µF
E003	23E20772S01	ELY., 10µF / 16V
C004	08E09008S03	PF., 0.082µF
E004	23E20772S01	ELY., 10µF / 16V
C005	08E09008S03	PF., 0.082µF
E005	23E20772S01	ELY., 10µF / 16V
C006	08E09008S03	PF., 0.082µF
E006	23E20772S01	ELY., 10µF / 16V
E007	23E20958S01	ELY., 22µF / 10V
E008	23E20958S01	ELY., 22µF / 10V
C009	08E09008S15	PF., 0.47µF
E009	23E20952S01	ELY., 47µF / 16V
C010	08E09008S15	PF., 0.47µF
E010	23E20952S01	ELY., 47µF / 16V
C101	21E07224S01	CP., 100pF
C102	21E07224S01	CP., 100pF
C103	08E09008S19	PF., 0.68µF
E103	23E20950S01	ELY., 1.5µF / 50V
C104	08E09008S19	PF., 0.68µF
E104	23E20950S01	ELY., 1.5µF / 50V
C105	08E09008S19	PF., 0.68µF
E105	23E20955S01	ELY., 0.33µF / 50V
C106	08E09008S19	PF., 0.68µF
E106	23E20948S01	ELY., 0.33µF / 50V
C107	08E09008S12	PF., 0.18µF
E107	23E20955S01	ELY., 0.33µF / 50V
C108	08E09008S12	PF., 0.18µF
E108	23E20955S01	ELY., 0.33µF / 50V
C109	08E09008S03	PF., 0.082µF
E109	23E20954S01	ELY., 0.22µF / 50V
C110	08E09008S03	PF., 0.082µF
E110	23E20947S01	ELY., 0.22µF / 50V
C111	08E09008S03	PF., 0.082µF
E111	23E20945S01	ELY., 0.1µF / 50V
C112	08E09008S03	PF., 0.082µF
E112	23E20945S01	ELY., 0.1µF / 50V

Symbol No.	Part No.	Description
C113	08E09008S14	PF., 0.047µF
E113	23E20946S01	ELY., 0.15µF / 50V
C114	08E09008S14	PF., 0.047µF
E114	23E20946S01	ELY., 0.15µF / 50V
C115	21E07193S03	CP., 0.039µF
E115	23E20772S01	ELY., 10µF / 16V
C116	21E07193S03	CP., 0.039µF
C117	21E07189S01	CP., 0.022µF
C118	21E07189S01	CP., 0.022µF
C119	21E07189S01	CP., 0.022µF
C120	21E07189S01	CP., 0.022µF
C121	21E07124S01	CP., 0.01µF
C122	21E07124S01	CP., 0.01µF
C123	21E07124S01	CP., 0.01µF
C124	21E07124S01	CP., 0.01µF
C125	21E08430S14	CP., 4700pF
C126	21E08430S14	CP., 4700pF
C127	21E08430S14	CP., 4700pF
C128	21E08430S14	CP., 4700pF
C129	21E08430S04	CP., 2200pF
C130	21E08430S04	CP., 2200pF
C131	21E08430S04	CP., 2200pF
C132	21E08430S04	CP., 2200pF
C133	21E07188S01	CP., 1200pF
C134	21E07188S01	CP., 1200pF
C135	08E10413S01	CP., 1µF
C136	08E10413S01	CP., 1µF
C137	08E10413S01	CP., 1µF
C138	08E10413S01	CP., 1µF
C139	08E10413S01	CP., 1µF
C140	08E10413S01	CP., 1µF
C141	08E10413S01	CP., 1µF
C201	21E08400S02	CP., 22pF
C202	21E08400S02	CP., 22pF
C203	21E08400S20	CP., 1000pF
E203	23E20952S01	ELY., 47µF / 16V
C204	21E08400S20	CP., 1000pF
E204	23E20952S01	ELY., 47µF / 16V
E205	23E20956S01	ELY., 10µF / 16V
E206	23E20956S01	ELY., 10µF / 16V
C207	21E08400S02	CP., 22pF
C208	21E08400S02	CP., 22pF
E209	23E20772S01	ELY., 10µF / 16V
E210	23E20772S01	ELY., 10µF / 16V
C211	21E08400S20	CP., 1000pF
E211	23E20772S01	ELY., 10µF / 16V
C212	21E08400S20	CP., 1000pF
E212	23E20772S01	ELY., 10µF / 16V
E213	23E20772S01	ELY., 10µF / 16V
E214	23E20772S01	ELY., 10µF / 16V
E215	23E20772S01	ELY., 10µF / 16V
E216	23E20772S01	ELY., 10µF / 16V

Symbol No.	Part No.	Description
C217	21E08400S02	CP., 22pF
E217	23E20952S01	ELY., 47μF / 16V
C218	21E08400S02	CP., 22pF
E218	23E20952S01	ELY., 47μF / 16V
C219	08E10413S01	CP., 1μF
E219	23E20952S01	ELY., 47μF / 16V
C220	08E10413S01	CP., 1μF
E220	23E20952S01	ELY., 47μF / 16V
E221	23E20952S01	ELY., 47μF / 16V
E222	23E20952S01	ELY., 47μF / 16V
E227	23E20772S01	ELY., 10μF / 16V
E228	23E20772S01	ELY., 10μF / 16V
E229	23E20952S01	ELY., 47μF / 16V
E230	23E20952S01	ELY., 47μF / 16V
E233	23E20772S01	ELY., 10μF / 16V
E234	23E20772S01	ELY., 10μF / 16V
E235	23E20957S01	ELY., 22μF / 16V
E236	23E20957S01	ELY., 22μF / 16V
E237	23E20957S01	ELY., 22μF / 16V
E238	23E20957S01	ELY., 22μF / 16V
E239	23E11349S01	CP., TAN. 4.7μF / 10V
E240	23E11349S01	CP., TAN. 4.7μF / 10V
C301	21E08400S20	CP., 1000pF
C302	21E08400S20	CP., 1000pF
E302	23E20772S01	ELY., 10μF / 16V
C303	21E07124S01	CP., 0.01μF
E303	23E20953S01	ELY., 4.7μF / 25V
C304	21E07124S01	CP., 0.01μF
E304	23E20953S01	ELY., 4.7μF / 25V
C305	21E08430S01	CP., 3300pF
E305	23E20953S01	ELY., 4.7μF / 25V
C306	21E08430S01	CP., 3300pF
E306	23E20953S01	ELY., 4.7μF / 25V
C307	21E08400S18	CP., 180pF
E307	23E20772S01	ELY., 10μF / 16V
C308	21E08400S18	CP., 180pF
E308	23E20772S01	ELY., 10μF / 16V
E309	23E20953S01	ELY., 4.7μF / 25V
E310	23E20953S01	ELY., 4.7μF / 25V
E311	23E20949S01	ELY., 0.47μF / 50V
E312	23E20949S01	ELY., 0.47μF / 50V
E313	23E20772S01	ELY., 10μF / 16V
E314	23E20772S01	ELY., 10μF / 16V
E315	23E20951S01	ELY., 3.3μF / 50V
E317	23E20772S01	ELY., 10μF / 16V
E318	23E20772S01	ELY., 10μF / 16V
E321	23E20772S01	ELY., 10μF / 16V
E322	23E20772S01	ELY., 10μF / 16V
E501	23E20944S01	ELY., 100μF / 16V
E502	23E20772S01	ELY., 10μF / 16V
E503	23E20944S01	ELY., 100μF / 16V
C801	21E07124S01	CP., 0.01μF

Symbol No.	Part No.	Description
E801	23E11593S01	ELY., 470μF / 16V
C802	21E07124S01	CP., 0.01μF
E802	23E20772S01	ELY., 10μF / 16V
C803	08E09008S15	PF., 0.47μF
C804	21E07193S05	CP., 0.1μF
E804	23E09154S01	ELY., 1000μF / 16V
C805	21E07193S05	CP., 0.1μF
E805	23E20943S01	ELY., 10μF / 50V
C806	21E07193S05	CP., 0.1μF
E807	23E09154S01	ELY., 1000μF / 16V
E808	23E09154S01	ELY., 1000μF / 16V
E809	23E08793S01	ELY., 10μF / 16V
C810	08E09008S07	PF., 0.01μF
E810	23E08793S01	ELY., 10μF / 16V
E811	23E08793S03	ELY., 220μF / 16V
E813	23E08793S03	ELY., 220μF / 16V
E815	23E11592S01	ELY., 470μF / 10V

Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)

R001	06E08433S10	10K ohm
R002	06E08433S10	10K ohm
R003	06E08433S10	10K ohm
R004	06E08433S10	10K ohm
R005	06E08433S41	7.5K ohm
R006	06E08433S41	7.5K ohm
R007	06E08433S48	24K ohm
R008	06E08433S48	24K ohm
R009	06E08433S10	10K ohm
R010	06E08433S10	10K ohm
R011	06E08433S48	24K ohm
R012	06E08433S48	24K ohm
R017	06E08433S28	47K ohm
R018	06E08433S28	47K ohm
R019	06E08433S28	47K ohm
R020	06E08433S28	47K ohm
R021	06E08433S28	47K ohm
R022	06E08433S28	47K ohm
R023	06E08433S28	47K ohm
R024	06E08433S28	47K ohm
R025	06E08433S28	47K ohm
R026	06E08433S28	47K ohm
R027	06E08433S29	100K ohm
R028	06E08433S29	100K ohm
R029	06E08433S61	30K ohm
R030	06E08433S61	30K ohm
R031	06E08433S16	2.4K ohm
R032	06E08433S16	2.4K ohm
R103	06E07451S01	6.8K ohm
R104	06E07451S01	6.8K ohm

Symbol No.	Part No.	Description
R105	06E07451S01	6.8K ohm
R106	06E07451S01	6.8K ohm
R107	06E08433S43	470K ohm
R108	06E08433S43	470K ohm
R109	06E08433S43	470K ohm
R110	06E08433S43	470K ohm
R111	06E08433S43	470K ohm
R112	06E08433S43	470K ohm
R113	06E08433S43	470K ohm
R114	06E08433S43	470K ohm
R115	06E08433S43	470K ohm
R116	06E08433S43	470K ohm
R117	06E08433S43	470K ohm
R118	06E08433S43	470K ohm
R119	06E08433S43	470K ohm
R120	06E08433S43	470K ohm
R121	06E08433S43	470K ohm
R122	06E08433S43	470K ohm
R123	06E08433S43	470K ohm
R124	06E08433S43	470K ohm
R125	06E08433S43	470K ohm
R126	06E08433S43	470K ohm
R127	06E08433S43	470K ohm
R128	06E08433S43	470K ohm
R130	06E08433S58	3K ohm
R131	06E08433S58	3K ohm
R132	06E08433S23	8.2K ohm
R133	06E08433S23	8.2K ohm
R135	06E08433S10	10K ohm
R136	06E08433S10	10K ohm
R138	06E08433S29	100K ohm
R139	06E08433S28	47K ohm
R140	06E08433S28	47K ohm
R141	06E08433S10	10K ohm
R145	06E08433S25	5.6K ohm
R146	06E08433S25	5.6K ohm
R147	06E08433S10	10K ohm
R211	06E08433S28	47K ohm
R212	06E03968S03	47K ohm 1/8W
R213	06E08433S28	47K ohm
R214	06E08433S28	47K ohm
R215	06E08433S29	100K ohm
R216	06E08433S29	100K ohm
R221	06E08433S58	3K ohm
R222	06E08433S58	3K ohm
R223	06E08433S40	9.1K ohm
R224	06E08433S40	9.1K ohm
R225	06E08433S28	47K ohm
R226	06E08433S28	47K ohm
R227	06E08433S23	8.2K ohm
R228	06E08433S23	8.2K ohm
R229	06E08433S07	4.7K ohm

Symbol No.	Part No.	Description
R230	06E08433S07	4.7K ohm
R231	06E08433S18	15K ohm
R232	06E08433S18	15K ohm
R233	06E08433S18	15K ohm
R234	06E08433S18	15K ohm
R235	06E08433S29	100K ohm
R236	06E08433S29	100K ohm
R237	06E08433S29	100K ohm
R238	06E08433S29	100K ohm
R239	06E08433S29	100K ohm
R240	06E08433S29	100K ohm
R241	06E08433S10	10K ohm
R242	06E08433S10	10K ohm
R243	06E08433S34	470 ohm
R244	06E08433S34	470 ohm
R245	06E07326S04	100 ohm 1/4W
R246	06E07452S01	100 ohm
R247	06E08433S28	47K ohm
R248	06E08433S28	47K ohm
R249	06E08433S10	10K ohm
R250	06E08433S10	10K ohm
R251	06E08433S34	470 ohm
R252	06E08433S34	470 ohm
R253	06E07452S01	100 ohm
R254	06E07452S01	100 ohm
R255	06E08433S28	47K ohm
R256	06E08433S28	47K ohm
R257	06E08433S10	10K ohm
R258	06E08433S10	10K ohm
R259	06E08433S34	470 ohm
R260	06E08433S34	470 ohm
R261	06E07452S01	100 ohm
R262	06E07452S01	100 ohm
R263	06E08433S28	47K ohm
R264	06E08433S28	47K ohm
R265	06E08433S44	2K ohm
R266	06E08433S44	2K ohm
R267	06E08433S44	2K ohm
R268	06E08433S44	2K ohm
R273	06E08433S29	100K ohm
R274	06E08433S29	100K ohm
R281	06E08433S03	1K ohm
R282	06E08433S03	1K ohm
R283	06E08433S03	1K ohm
R284	06E08433S03	1K ohm
R285	06E08433S29	100K ohm
R286	06E08433S29	100K ohm
R287	06E08433S29	100K ohm
R288	06E08433S29	100K ohm
R289	06E08433S29	100K ohm
R290	06E08433S29	100K ohm
R291	06E08433S18	15K ohm

Symbol No.	Part No.	Description
R292	06E08433S18	15K ohm
R293	06E08433S18	15K ohm
R294	06E08433S18	15K ohm
R302	06E08433S28	47K ohm
R303	06E08433S86	620 ohm
R304	06E08433S38	1.2K ohm
R305	06E08433S05	2.2K ohm
R306	06E08433S06	2.7K ohm
R307	06E08433S28	47K ohm
R308	06E08433S28	47K ohm
R309	06E08433S28	47K ohm
R315	06E08433S28	47K ohm
R316	06E08433S28	47K ohm
R320	06E08433S05	2.2K ohm
R323	06E08433S28	47K ohm
R324	06E08433S28	47K ohm
R325	06E08433S23	8.2K ohm
R326	06E08433S07	4.7K ohm
R327	06E08433S07	4.7K ohm
R328	06E08433S23	8.2K ohm
R701	06E08433S10	10K ohm
R702	06E08433S10	10K ohm
R703	06E08433S10	10K ohm
R704	06E08433S10	10K ohm
R802	06E08433S10	10K ohm
R803	06E07326S04	100 ohm 1/4W
R806	06E08433S38	1.2K ohm
R807	06E08433S03	1K ohm
R809	06E08433S10	10K ohm
R811	06E11338S01	30 ohm
R817	06E11339S01	43 ohm 1/4W
R818	06E11339S01	43 ohm 1/4W
R821	06E08433S10	10K ohm

Control P. C. Board

IC's

Symbol No.	Part No.	Description
IC202	51E08399S01	µPC4570G2
IC213	51E08399S01	µPC4570G2
IC404	51E08399S01	µPC4570G2
IC405	51T55204W01	YM7128B
IC406	51E08399S01	µPC4570G2
IC407	51E08399S01	µPC4570G2
IC408	51E10410S01	TC4053BF
IC410	51T60969F01	NJM78L05A
IC504	51E11367S01	TC9213P
IC601	51T45552W19	45552W19
IC602	51E08764S01	M51957A
IC603	51E08764S01	M51957A
IC604	51T55070W02	MB88385PF
IC605	51T16479W01	TC4538BF
IC607	51E08399S01	µPC4570G2
IC608	51E20937S01	NJM2406F
IC609	51E08399S01	µPC4570G2
IC610	51E08399S01	µPC4570G2
IC612	51E11365S01	TC4052BF
IC614	51E20937S01	NJM2406F
IC701	51T15166W01	BA3306
IC710	51T25738W01	XR1091
IC711	51T25738W01	XR1091
IC712	51E10411S01	TC4051BF
IC713	51E10411S01	TC4051BF

Transistors

Symbol No.	Part No.	Description
Q607	48T82759F01	2SB1277
Q608	48T62967F03	CP., DTC124EK
Q609	48T63420F03	CP., 2SA1037K
Q610	48T62967F03	CP., DTC124EK
Q613	48E10406S01	2SD1858
Q614	48E10406S01	2SD1858
Q618	48T62967F03	CP., DTC124EK
Q619	48E10406S01	2SD1858
Q623	48T83617F03	2SD1863
Q624	48T83617F03	2SD1863
Q625	48T83617F03	2SD1863
Q629	48T62967F03	CP., DTC124EK
Q635	48T73888F13	CP., FMC3
Q636	48T73888F13	CP., FMC3
Q637	48T94875F03	CP., DTB114EK
Q639	48T73888F13	CP., FMC3
Q640	48T73888F12	CP., FMC2
Q641	48T62967F08	CP., DTC144WK
Q806	48E10406S01	2SD1858

Diodes

Symbol No.	Part No.	Description
D201	48T68828F01	1SS133
D202	48E07113S01	CP., 1SS226
D600	48E07113S01	CP., 1SS226
D602	48E07106S01	CP., 1SS184
D603	48T68079F01	30D4
D604	48T84052F01	11ES2
D631	48E11532S01	CP., RB751H
D632	48E11532S01	CP., RB751H
D633	48E11532S01	CP., RB751H
D634	48E11532S01	CP., RB751H

Symbol No.	Part No.	Description
D701	48T68828F01	1SS133
ZD201	48T68702F19	Zener, RD4.3ESB3
ZD602	48T25766W05	Zener, HZS6B2L
ZD607	48T25766W05	Zener, HZS6B2L
ZD608	48T25766W05	Zener, HZS6B2L
ZD609	48T25766W05	Zener, HZS6B2L
ZD611	48T83128F14	Zener, HZS7B2L
ZD612	48T83128F14	Zener, HZS7B2L
ZD802	48E11363S01	Zener, RD11ESB1
Crystals		
X401	91E11369S01	7.16MHz
X600	91E20940S01	8MHz
X601	91E20939S01	4MHz
Capacitors		
E201	23E20772S01	ELY., 10µF / 16V
E202	23E20772S01	ELY., 10µF / 16V
C205	08E10413S01	CP., 1µF
C206	08E10413S01	CP., 1µF
C207	08E10413S01	CP., 1µF
E207	23E20956S01	ELY., 10µF / 16V
C208	08E10413S01	CP., 1µF
E208	23E20961S01	ELY., 2.2µF / 50V
E227	23E20772S01	ELY., 10µF / 16V
E228	23E20772S01	ELY., 10µF / 16V
E401	23E08793S05	ELY., 470µF / 16V
C402	21E08400S10	CP., 680pF
E403	23E20962S01	ELY., 470µF / 16V
C404	21E08430S10	CP., 0.027µF
C405	21E07193S09	CP., 0.068µF
C406	21E08430S08	CP., 3900pF
E406	23E20772S01	ELY., 10µF / 16V
C407	21E07193S09	CP., 0.068µF
C408	21E08430S08	CP., 3900pF
C409	08E11348S01	PF., 3900pF
C410	21E07224S01	CP., 100pF
E411	23E20959S01	ELY., 100µF / 10V
C413	21E07224S01	CP., 100pF
E413	23E20953S01	ELY., 4.7µF / 25V
E414	23E20953S01	ELY., 4.7µF / 25V
C417	21E08430S05	CP., 2700pF
C418	21E08430S05	CP., 2700pF
C419	21E08430S06	CP., 6800pF
C420	21E08430S06	CP., 6800pF
C421	21E08400S12	CP., 390pF
C422	21E08400S12	CP., 390pF
C423	08E09008S15	PF., 0.47µF

Symbol No.	Part No.	Description
C428	21E07193S05	CP., 0.1µF
E433	23E20772S01	ELY., 10µF / 16V
E434	23E20772S01	ELY., 10µF / 16V
C600	08E09008S15	PF., 0.47µF
C601	21E08400S02	CP., 22pF
E601	23E20772S01	ELY., 10µF / 16V
C602	21E08400S02	CP., 22pF
C603	08E11347S01	CP., 0.33µF
E603	23E20772S01	ELY., 10µF / 16V
C604	21E08598S01	CP., 0.1µF
E604	23E20962S01	ELY., 470µF / 10V
E605	23E20772S01	ELY., 10µF / 16V
C606	21E08400S01	CP., 10pF
E606	23E20772S01	ELY., 10µF / 16V
C607	21E08400S01	CP., 10pF
E607	23E20956S01	ELY., 10µF / 16V
E608	23E20772S01	ELY., 10µF / 16V
C610	21E08598S01	CP., 0.1µF
C611	21E08598S01	CP., 0.1µF
E611	23E20772S01	ELY., 10µF / 16V
C612	21E07224S01	CP., 100pF
E612	23E20772S01	ELY., 10µF / 16V
C613	21E08598S01	CP., 0.1µF
E613	23E20772S01	ELY., 10µF / 16V
E614	23E20772S01	ELY., 10µF / 16V
E615	23E20772S01	ELY., 10µF / 16V
C616	08E20966S01	CP., 51pF
E616	23E20772S01	ELY., 10µF / 16V
C617	08E20966S01	CP., 51pF
C621	21E08430S01	CP., 3300pF
E621	23E20772S01	ELY., 10µF / 16V
E622	23E20772S01	ELY., 10µF / 16V
E623	23E20772S01	ELY., 10µF / 16V
E624	23E20772S01	ELY., 10µF / 16V
C625	21E08400S02	CP., 22pF
C626	21E08400S02	CP., 22pF
E627	23E20960S01	ELY., 1µF / 50V
C630	08E20965S01	PF., 0.01µF
E630	23E20772S01	ELY., 10µF / 16V
E640	23E20772S01	ELY., 10µF / 16V
E701	23E20963S01	ELY., 100µF / 16V
E702	23E20772S01	ELY., 10µF / 16V
E703	23E20961S01	ELY., 2.2µF / 50V
E704	23E20772S01	ELY., 10µF / 16V
E705	23E20772S01	ELY., 10µF / 16V
C710	21E08430S11	CP., 1800pF
C711	21E07122S01	CP., 1500pF
E712	23E20963S01	ELY., 100µF / 16V
E713	23E20962S01	ELY., 470µF / 16V
E714	23E20963S01	ELY., 100µF / 16V
E715	23E20962S01	ELY., 470µF / 16V
E806	23E20772S01	ELY., 10µF / 16V

Symbol No.	Part No.	Description
Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)		
R220	06E08433S28	47K ohm
R221	06E11340S01	16K ohm
R401	06E08433S28	47K ohm
R402	06E08433S28	47K ohm
R405	06E08433S28	47K ohm
R413	06E08433S28	47K ohm
R415	06E08433S03	1K ohm
R416	06E08433S03	1K ohm
R417	06E08433S03	1K ohm
R418	06E08433S03	1K ohm
R419	06E08433S03	1K ohm
R420	06E08433S03	1K ohm
R423	06E08433S28	47K ohm
R424	06E07455S01	1M ohm
R429	06E08433S29	100K ohm
R430	06E08433S29	100K ohm
R431	06E08433S10	10K ohm
R432	06E08433S10	10K ohm
R433	06E08433S10	10K ohm
R434	06E08433S10	10K ohm
R435	06E08433S10	10K ohm
R436	06E08433S10	10K ohm
R437	06E08433S29	100K ohm
R438	06E08433S29	100K ohm
R439	06E03968S01	100K ohm 1/8W
R440	06E08433S29	100K ohm
R441	06E11341S01	130K ohm
R442	06E08433S03	1K ohm
R443	06E08433S03	1K ohm
R448	06E08433S06	2.7K ohm
R453	06E08433S10	10K ohm
R465	06E08433S54	820 ohm
R503	06E08433S29	100K ohm
R504	06E08433S29	100K ohm
R507	06E08433S44	2K ohm
R508	06E08433S44	2K ohm
R511	06E08433S29	100K ohm
R512	06E08433S29	100K ohm
R515	06E08433S44	2K ohm
R516	06E08433S44	2K ohm
R607	06E08433S10	10K ohm
R610	06E08433S10	10K ohm
R612	06E08433S10	10K ohm
R614	06E08433S10	10K ohm
R618	06E20968S01	82 ohm 1/2W
R620	06E20968S01	82 ohm 1/2W
R621	06E08433S04	1.5K ohm
R622	06E08433S05	2.2K ohm
R623	06E08433S05	2.2K ohm
R624	06E08433S04	1.5K ohm

Symbol No.	Part No.	Description
R625	06E08433S33	68K ohm
R626	06E08433S27	43K ohm
R627	06E08433S10	10K ohm
R628	06E08433S35	36K ohm
R629	06E08433S28	47K ohm
R631	06E08433S25	5.6K ohm
R632	06E08433S39	5.1K ohm
R633	06E08433S18	15K ohm
R634	06E08433S10	10K ohm
R636	06E08433S23	8.2K ohm
R639	06E08433S13	27K ohm
R640	06E08433S28	47K ohm
R643	06E08433S12	22K ohm
R645	06E07455S01	1M ohm
R646	06E08433S71	330K ohm
R647	06E08433S43	470K ohm
R648	06E08433S06	2.7K ohm
R649	06E08433S28	47K ohm
R650	06E08433S28	47K ohm
R651	06E08433S28	47K ohm
R653	06E07326S17	1.5K ohm 1/4W
R654	06E08433S10	10K ohm
R656	06E08433S28	47K ohm
R657	06E08433S28	47K ohm
R658	06E08433S24	330 ohm
R659	06E08433S24	330 ohm
R660	06E08433S24	330 ohm
R661	06E08433S28	47K ohm
R662	06E08433S28	47K ohm
R663	06E08433S28	47K ohm
R664	06E08433S28	47K ohm
R671	06E08433S28	47K ohm
R672	06E08433S28	47K ohm
R673	06E08433S10	10K ohm
R674	06E08433S10	10K ohm
R675	06E08433S28	47K ohm
R676	06E08433S28	47K ohm
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R682	06E08433S28	47K ohm
R683	06E08433S28	47K ohm
R684	06E08433S10	10K ohm
R685	06E08433S10	10K ohm
R687	06E08433S10	10K ohm
R688	06E08433S10	10K ohm
R690	06E08433S10	10K ohm
R692	06E08433S41	7.5K ohm
R694	06E08433S25	5.6K ohm
R705	06E08433S64	39 ohm

Symbol No.	Part No.	Description
R706	06EO8433S10	10K ohm
R707	06EO8433S17	51K ohm
R708	06EO8433S07	4.7K ohm
R709	06EO8433S29	100K ohm
R710	06EO8433S26	220 ohm
R711	06EO8433S56	680 ohm
R712	06EO8433S62	1.6K ohm
R713	06EO8433S03	1K ohm
R714	06EO8433S09	6.2K ohm
R715	06EO8433S21	3.3K ohm
R716	06EO8433S21	3.3K ohm
R717	06EO8433S21	3.3K ohm
R718	06EO8433S21	3.3K ohm
R719	06EO8433S21	3.3K ohm
R811	06EO8433S34	470 ohm

Compander P. C. Board

IC's

IC900	51T80831F01	µPC1571C
IC901	51T80831F01	µPC1571C
IC902	51T83403F01	µPC4570C

Capacitors

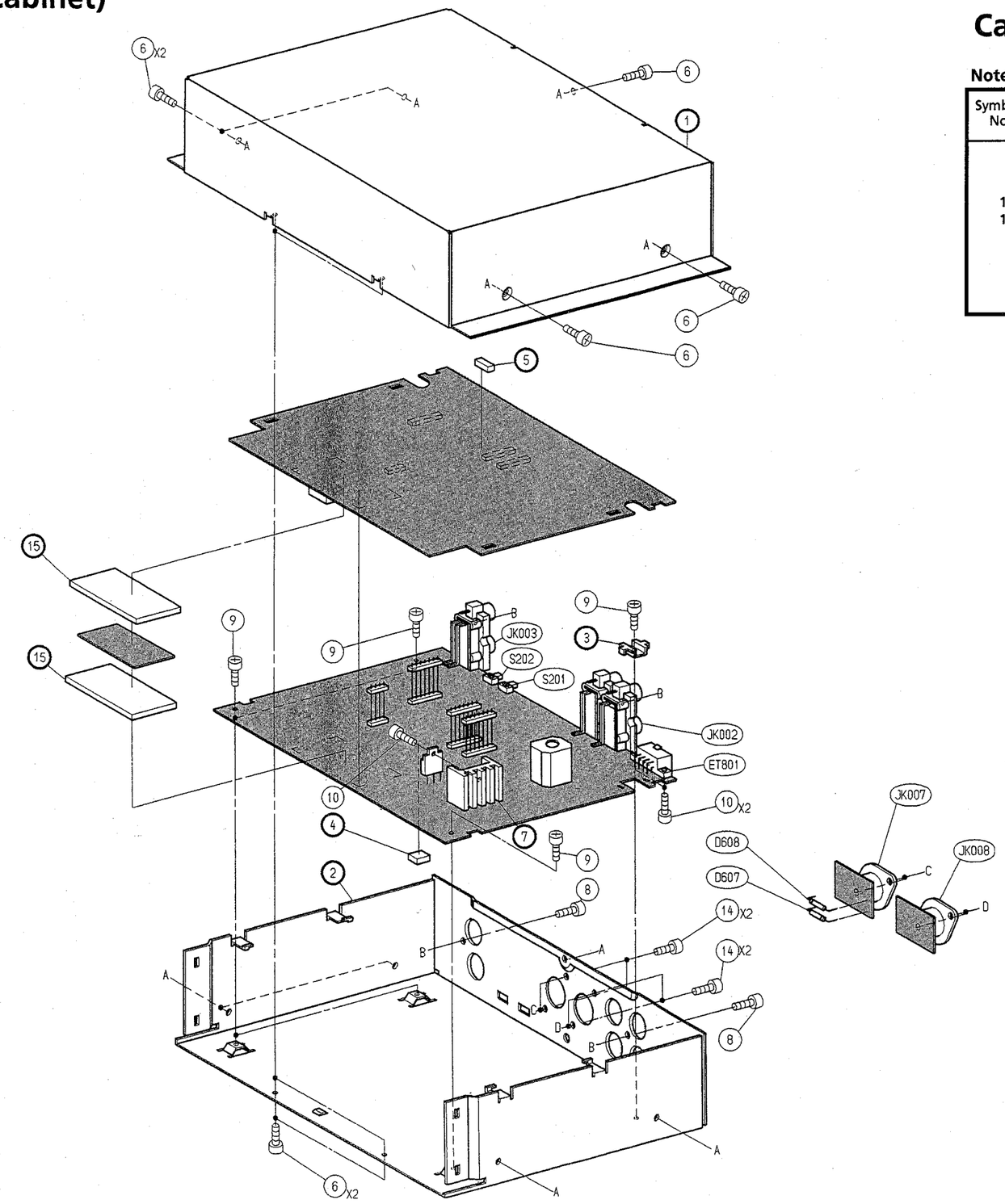
C900	21E07190S06	CP.,	100pF
E900	23E20956S01	ELY.,	10µF / 16V
C901	21E07190S06	CP.,	100pF
E901	23E20956S01	ELY.,	10µF / 16V
C902	21E07190S06	CP.,	100pF
E902	23E20964S01	ELY.,	0.1µF / 50V
C903	21E07190S06	CP.,	100pF
E903	23E20956S01	ELY.,	10µF / 16V
C904	08E20967S01	CP.,	100pF
E904	23E20956S01	ELY.,	10µF / 16V
C905	21E07190S06	CP.,	100pF
E905	23E20956S01	ELY.,	10µF / 16V
C906	21E07122S01	CP.,	1500pF
E906	23E20956S01	ELY.,	10µF / 16V
C907	21E07122S01	CP.,	1500pF
E907	23E20956S01	ELY.,	10µF / 16V
E908	23E20956S01	ELY.,	10µF / 16V
E909	23E20964S01	ELY.,	0.1µF / 50V
E910	23E20964S01	ELY.,	0.1µF / 50V
E911	23E20956S01	ELY.,	10µF / 16V
E912	23E20956S01	ELY.,	10µF / 16V
E913	23E20957S01	ELY.,	22µF / 16V
E914	23E20957S01	ELY.,	22µF / 16V
E915	23E20957S01	ELY.,	22µF / 16V

Symbol No.	Part No.	Description
Resistors (All resistors are chip 1/10W±5% unless otherwise noted.)		
R900	06E08433S12	22K ohm
R901	06E08433S12	22K ohm
R902	06E20126S01	10K ohm 1/4W
R903	06E08433S10	10K ohm
R904	06E07326S09	1.8K ohm 1/4W
R905	06E07326S09	1.8K ohm 1/4W
R906	06E08433S10	10K ohm
R907	06E08433S10	10K ohm
R908	06E08433S03	1K ohm
R909	06E08433S03	1K ohm
R910	06E08433S03	1K ohm

Miscellaneous

ET801	01E10439S01	Power Supply Connector
D607	48T70933F01	Diode, 1SS136
D608	48T70933F01	Diode, 1SS136
JK002	09E11368S01	RCA Output Jack (FRONT / REAR)
JK003	09E20941S01	RCA Output Jack (SUB WOOFER)
JK007	09E20942S01	DIN Socket (CHANGER IN)
JK008	09E20942S01	DIN Socket (Ai-NET IN)
S201	40E04906S01	Switch, Slide SS-215FC (PHASE)
S202	40E04906S01	Switch, Slide SS-215FC (ST / MONO)

Exploded View (Cabinet)

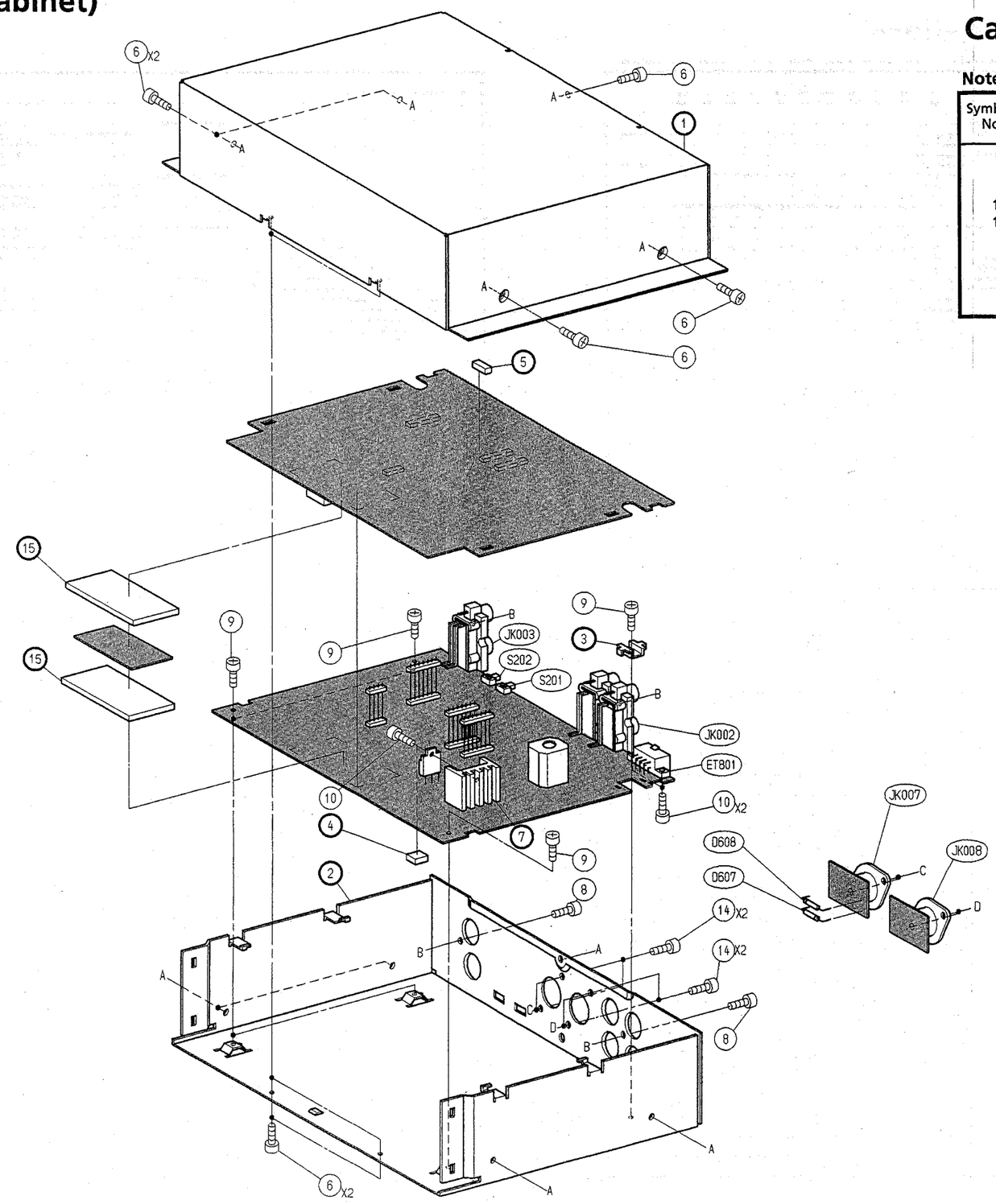


Cabinet Assembly Parts List

Note : No parts number on parts list are not supplied.

Symbol No.	Index	Part No.	Description
6		03E20856S01	Screw, Bind (M2.6×5)
8	4-D	03E20972S01	Screw, Bind (M3×10)
9		03E07232S01	Screw, Pan (M2.6×6)
10		03E11616S01	Screw, Pan (M3×10)
14	4-E	03E20973S01	Screw, Bind (M2.6×10)

Exploded View (Cabinet)



Cabinet Assembly Parts List

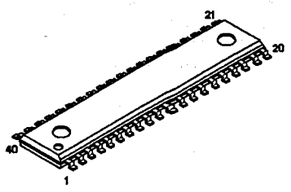
Note : No parts number on parts list are not supplied.

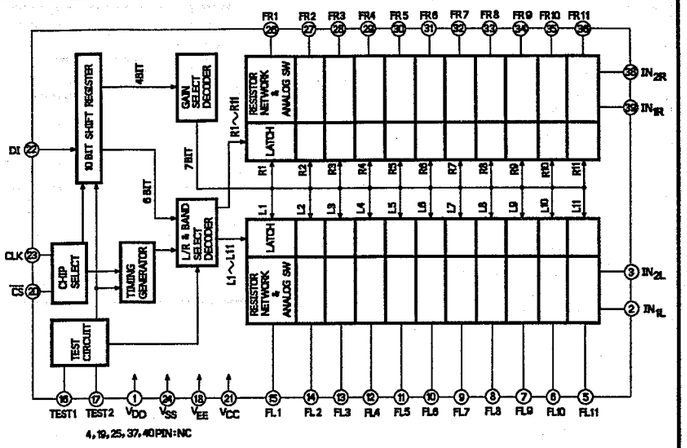
Symbol No.	Index	Part No.	Description
6		03E20856S01	Screw, Bind (M2.6×5)
8	4-D	03E20972S01	Screw, Bind (M3×10)
9		03E07232S01	Screw, Pan (M2.6×6)
10		03E11616S01	Screw, Pan (M3×10)
14	4-E	03E20973S01	Screw, Bind (M2.6×10)

Semi - Conductor Lead Identifications

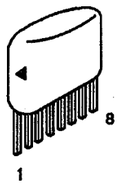
Note : The parts is not mentioned, refer to the Schematic Diagram.

NJU7307G : IC105



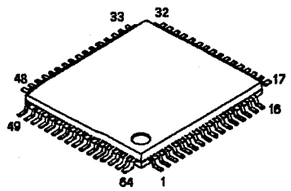


35423W01 : IC506



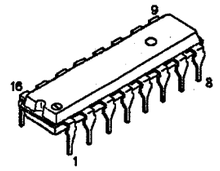
PIN NO.	CODE ADDRESS	I/O
1	BATT	—
2	TC1	—
3	TC2	—
4	TC3	—
5	GND	—
6	MUTE	O
7	REMOTE	I
8	ㅕ-COM	I

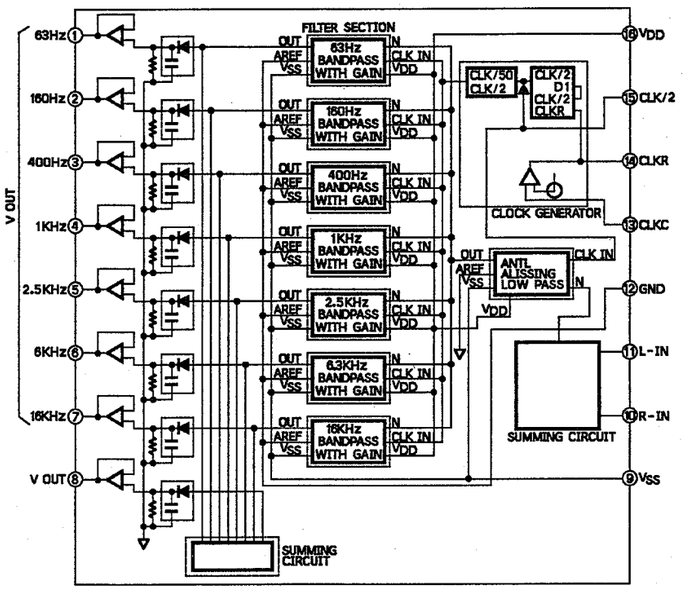
45552W19 : IC601



PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O	PIN NO.	CODE ADDRESS	I/O
1	BBE CONT 2	O	23	MUTE	O	45	AV_{SS}	—
2	BBE CONT 1	O	24	GND	—	46	AV_{SS}	—
3	ST (M.VOL)	O	25	SUR ST1(FRONT)	O	47	OVER	I
4	NC	—	26	NC	—	48	AD 1	I
5	RESET (SUR)	O	27	BAND SEL A	O	49	AD 2	I
6	DATA (SUR)	O	28	BAND SEL B	O	50	GND	—
7	LATCH (SUR)	O	29	BAND SEL C	O	51	GND	—
8	CLK (SUR)	O	30	SUB.W ON/OFF	O	52	IN INT	I
9	GND	—	31	NC	—	53	AMP REMOTE	O
10	MIX SEL	O	32	NC	—	54	TRIG IN	I
11	LATCH (EQ)	O	33	NC	—	55	AV_{DD}	—
12	DATA (EQ)	O	34	A.IN SEL1	O	56	AV_{REF}	—
13	CLK (EQ)	O	35	RESET	I	57	A.IN SEL 2	O
14	CLK (VOL)	O	36	MINI BUS IN	I	58	RES	O
15	DATA (VOL)	O	37	KEY DATA	I	59	POWER CONT	O
16	ST3 (VOL)	O	38	STBY	I	60	RS	O
17	ST2 (VOL)	O	39	IRQ	I	61	R/W	O
18	ST1 (VOL)	O	40	V_{DD}	—	62	SIN	I
19	NC	—	41	X2	—	63	SOUT	O
20	NC	—	42	X1	—	64	SCLK	O
21	NC	—	43	GND	—			
22	NC	—	44	NC	—			

XR1091 : IC710, 711





Packing Assembly Parts List

Symbol No.		Part No.	Description
○	101	68P50958W01	Owner's Manual
△	101	68P50958W02	Owner's Manual
□	101	68P50958W03	Owner's Manual
	102	03E20857S01	Screw, Flange (M4×14)
○	103	01E20970S01	Assy., Power Supply Connector
△	103	01E20970S01	Assy., Power Supply Connector
□	103	01E20969S01	Assy., Power Supply Connector
□	104	01T55561W32	DIN Connector

Symbol No.	Part No.	Description

Notes : ○ : For North American Model Only,
□ : For Japanese Model Only,
△ : For General Foreign Model Only,
Others : Common.

Packing Method View